

# COBURN

SLIDING  
DOOR  
HARDWARE

The John E. Russell Co.  
T. GILB. HARD. WARE STORE  
754 Chapel St. 3rd Floor  
New Haven, Connecticut

**COBURN TROLLEY TRACK MFG. CO.**  
**HOLYOKE. MASS. U. S. A.**

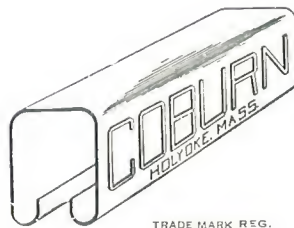


# CATALOG *and* PRICE LIST

## No. 140

May 1, 1926

### Sliding Door Hardware



TRADE MARK REG.

### Coburn Trolley Track Mfg. Co.

*Main Office and Works*

Holyoke, Massachusetts, U. S. A.

*Branches in All Principal Cities*

## Foreword

**T**HIS catalog describes our latest Coburn line of Door Hangers.

We have added a number of new styles and changed the list prices on many items. Great care has been taken in doing this and we have at all times tried to make the price consistent with the production cost. Particular attention has been paid in the design and construction to equalize the strength of the component parts and eliminate unnecessary weight and all parts have been rigidly tested to carry the weights for which they are recommended. The right is reserved to make changes as may be deemed expedient at any time without notice.

**Coburn Products** have been widely imitated and a number of very inferior substitutes are offered to the trade.

To protect our customers and ourselves we have adopted a Trade Mark, registered in the United States Patent Office and have also registered the design of our Door Hangers. The genuine Coburn goods will carry the Trade Mark and be made in the registered design. Any infringements of these will be promptly prosecuted.

**Coburn Track** is the original inclosed track. It was first made by this company over thirty years ago and is now as it was then the most mechanically correct of any Door Hanger Track ever invented. No one has been able to improve its design. Its shape gives the greatest obtainable strength of the material used and the round troughs keep the wheels in position so that they operate with less friction than any other type of inclosed track.

We discovered that constant use under heavy loads would sometimes stretch the metal and the track became uneven and after a series of experiments extending over a period of four years we found a formula of a steel that would stand our requirements. Since that time our track steel has been manufactured for us from our own formula and a careful analysis is made of every car load received.

**Brackets** refer to the parts for attaching the track to the wall or ceiling and we have added a line of forged steel wall and overhead brackets to meet an insistent demand.

All brackets are designed to carry the loads as recommended under the various styles of Door Hangers on the following pages when spaced not over five feet on centers.

For the various sizes and types see pages 28 to 31 inclusive.

**Door Hangers**—Our regular line of Door Hanger carriers are made with case hardened roll bearings throughout and also have turned cast iron wheels. A full line of ball bearing carriers which make the operation more easy, have also been added. Wherever possible we have added a line of ball bearing swivel pendants which allow the doors to operate more freely should the track get out of alignment.

**Fibre Wheels** can be furnished on any Door Hanger which makes the operation almost noiseless, at a slight additional cost.

**A Pair of Door Hangers** contains two Door Hangers with bolts or screws necessary for attaching same to doors.

**A Set of Door Hardware** as listed in this book contains all the items required to erect the doors in working condition. Two partial sets of hardware are offered as indicated in the description, one of these being the old style set consisting of a pair of hangers and brackets with screws and lags for attaching.

**Trim**—A number of necessary parts are shown on pages 31 to 41 inclusive and should receive your careful consideration.

**When Ordering**—Always order by number given in this catalog.

Approximate weight of doors can be found from the table on page 27.

Size of Door Hanger recommended for different weights and thicknesses of doors will be found in the descriptive matter under door hangers on pages following.

Any alterations, changes or special parts other than those shown or listed in this catalog will be charged for as an extra and the price will be made consistent with the manufacturing cost of same.

## Terms

All goods are billed when shipped and all bills are due and payable within thirty days from the date of the invoice. Unless otherwise stated in the contract a discount of two per cent is allowed for cash in ten days from date of invoice.

All goods are sold f. o. b. cars at point of shipping unless transportation cost is allowed when quoted. Transportation allowance assumes that a railroad siding enters purchaser's yard or works and does not include demurrage, cartage, or other than continuous carriage without transshipment.

Quotations are made for reasonably prompt acceptance and are subject to withdrawal without notice.

All agreements or quotations are made contingent upon accidents, car supply, or causes beyond our reasonable control.

All claims for errors or shortages must be made immediately on receipt of goods and no such claims will be allowed unless made within five days after receipt of goods.

Accounts overdue subject to sight draft.

Any goods found defective on account of material or workmanship will be replaced free of charge. No returned goods will be accepted by us unless instructions for their return are issued and followed.

Prices in this catalog and discounts applying to same subject to change without notice.

## Other Catalogs

We issue other catalogs on the following subjects:

- Fire Proof Doors and Hardware.
- Kalamein Doors.
- Overhead Carrying Systems.
- Patent Rolling Ladders.

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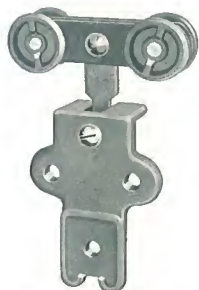
# Garage and Barn Door Hangers

## No. 120 STYLE DOOR HANGER

For Doors Sliding on a Single Run of Track

For Doors Weighing from 400 to 1000 lbs. Has Lateral Adjustments Only.

This style hanger has cast iron petticoat and is made in four sizes to take different weights and thicknesses of doors.



No. 120A—220A

### No. 120

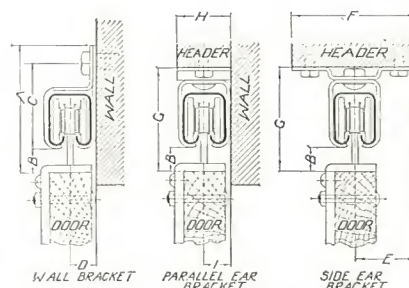
**Wheels**—Machined cast iron.

**Bearings**—Roller, case hardened steel.

**Pendant**—Steel.

**Petticoat**—Heavy cast iron.

**Packed**—One pair in a box including bolts for attaching to door.



Dimension Diagram

### No. 220

Same as No. 120 except carrier has ball bearings instead of roller bearings. The No. 120 line of hangers supersedes the old type cast iron petticoats.

The old No. 122½ is replaced with No. 120B. No. 124 of the old catalog is now 120D used with No. 6 track only.

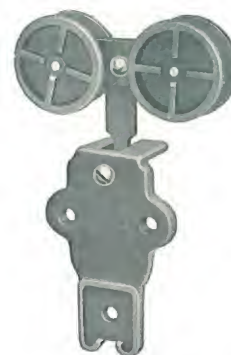
No. 130 of the old catalog is now 120C used with No. 4 track only.

No. 120A and No. 220A can be furnished with No. 120B Petticoat for doors 1¾ to 2½ inches thick. If wanted this way order by No. 120AA or 220AA.

All these hangers have been refined and while slightly lighter in weight, strength and utility have not been sacrificed in any way.



No. 120 C & D—220 C & D  
Patented



No. 120 B—220 B  
Patented

## DOOR AND HARDWARE DATA—No. 120-220

Size	Track No.	Weight of Door Lbs.	Thickness of Door Inches	A	B	C	D	E	F	G	H	I
A	1	400	1¼-1¾	5¼	1⅙	3½	1⅙	2⅝	5¼	4¼	2¼	1⅙
B	2	600	1¾-2½	6½	1	4¾	1⅙	2⅝	5¼	5⅙	2¼	1⅙
C	4	1000	2¼-3½	7½	1⅛	5½	1⅙	3⅙	6⅜	6⅜	3¼	1⅙
D	6	800	2¼-3½	7⅜	1⅙	5⅙	1⅙	3	6	6⅙	3	1⅙

## PRICE LIST OF HARDWARE

No.	A Size for No. 1 Track		B Size for No. 2 Track		C Size for No. 4 Track		D Size for No. 6 Track	
	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight
120	\$3.25	7 lbs.	\$4.00	10 lbs.	\$6.50	20 lbs.	\$5.75	18 lbs.
220	3.25	7 lbs.	4.00	10 lbs.	6.50	20 lbs.	5.75	18 lbs.

For Price List of Track see page 27.

For Price List of Brackets see pages 28 to 31.

# Garage and Barn Door Hangers

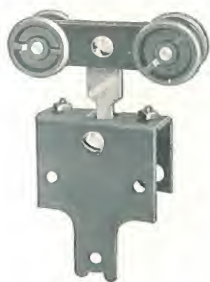
## No. 121 STYLE DOOR HANGER

For Doors Sliding on a Single Run of Track

*For Doors Weighing from 400 to 1000 lbs. Has Lateral Adjustment Only.*

Hanger similar to No. 120 except it has stamped steel petticoat. Made in four sizes to take different weights and thicknesses of doors.

This style hanger is designed as a substitute for No. 120 Style Door Hanger. It has a stamped steel petticoat and can be used in any place for which a hanger of this style is suitable, if a steel petticoat is preferred to cast iron as on No. 120. It is slightly lower in price than No. 120.



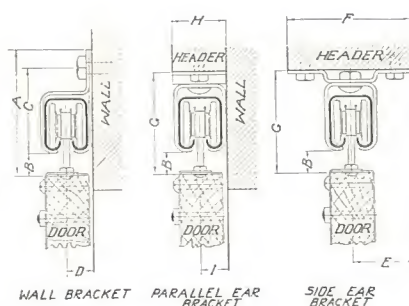
No. 121-221  
Patented

### No. 121

- Wheels**—Machined cast iron.
- Bearings**—Roller, case hardened.
- Pendant**—Stamped steel.
- Petticoat**—Stamped steel.
- Packed**—One pair in a box including bolts for attaching hangers to doors.

### No. 221

Same as No. 121 except carrier has ball bearings.



Dimension Diagram

## DOOR AND HARDWARE DATA—No. 121-221

Size	Track No.	Weight of Door Lbs.	Thickness of Door Inches	A	B	C	D	E	F	G	H	I
A	1	400	1 $\frac{1}{4}$ –1 $\frac{3}{4}$	5 $\frac{1}{4}$	1 $\frac{1}{16}$	3 $\frac{1}{2}$	1 $\frac{1}{16}$	2 $\frac{5}{8}$	5 $\frac{1}{4}$	4 $\frac{1}{4}$	2 $\frac{1}{4}$	1 $\frac{1}{16}$
B	2	600	1 $\frac{3}{4}$ –2 $\frac{1}{2}$	6 $\frac{1}{2}$	1	4 $\frac{3}{4}$	1 $\frac{1}{16}$	2 $\frac{5}{8}$	5 $\frac{1}{4}$	5 $\frac{9}{16}$	2 $\frac{1}{4}$	1 $\frac{1}{16}$
C	4	1000	2 $\frac{1}{4}$ –3 $\frac{1}{2}$	7 $\frac{1}{2}$	1 $\frac{1}{8}$	5 $\frac{1}{2}$	1 $\frac{11}{16}$	3 $\frac{3}{16}$	6 $\frac{3}{8}$	6 $\frac{3}{8}$	3 $\frac{1}{4}$	1 $\frac{11}{16}$
D	6	800	2 $\frac{1}{4}$ –3 $\frac{1}{2}$	7 $\frac{3}{8}$	1 $\frac{7}{16}$	5 $\frac{1}{16}$	1 $\frac{15}{32}$	3	6	6 $\frac{1}{8}$	3	1 $\frac{1}{2}$

## PRICE LIST OF HARDWARE

No.	A Size for No. 1 Track		B Size for No. 2 Track		C Size for No. 4 Track		D Size for No. 6 Track	
	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight
121	\$2.40	6 lbs.	\$3.25	9 lbs.	\$5.75	18 lbs.	\$5.00	17 lbs.
221	2.40	6 lbs.	3.25	9 lbs.	5.75	18 lbs.	5.00	17 lbs.

For Price List of Track see page 27.

For Price List of Brackets see pages 28 to 31.

# Garage Door Hangers

## No. 131 STYLE DOOR HANGER

For Doors Sliding on Single, Double or Triple Run of Track

For Doors Weighing from 400 to 1000 lbs. Has Lateral Adjustment Only.

This hanger is made to meet competitive prices. While not equal to the No. 137 it is well built and serviceable.



No. 131—231  
Patented

### No. 131

**Wheels**—Machined cast iron.

**Pendant**—Stamped steel.

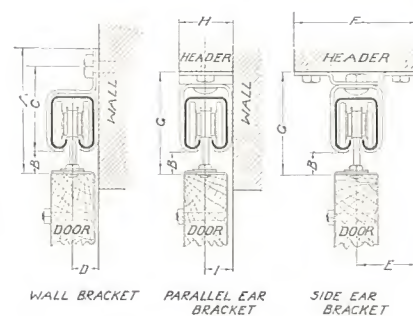
**Bearings**—Roller, case hardened

**Petticoat**—Stamped steel.

**Packed**—One pair in a box with bolts for attaching hangers to doors.

### No. 231

Same as No. 131 except carrier has ball bearings.



Dimension Diagram

When doors slide by each other, flat head screws must be substituted in the field for the bolts which fasten petticoat to the door.

## DOOR AND HARDWARE DATA—No. 131-231

Size	Track No.	Weight of Door Lbs.	Thickness of Door Inches	A	B	C	D	E	F	G	H	I
A	1	400	1 $\frac{1}{4}$ —1 $\frac{3}{4}$	5 $\frac{1}{4}$	1 $\frac{1}{16}$	3 $\frac{1}{2}$	1 $\frac{1}{16}$	2 $\frac{5}{8}$	5 $\frac{1}{4}$	4 $\frac{1}{4}$	2 $\frac{1}{4}$	1 $\frac{1}{16}$
B	2	600	1 $\frac{3}{4}$ —2 $\frac{1}{2}$	6 $\frac{1}{2}$	1	4 $\frac{3}{4}$	1 $\frac{1}{16}$	2 $\frac{5}{8}$	5 $\frac{1}{4}$	5 $\frac{9}{16}$	2 $\frac{1}{4}$	1 $\frac{1}{16}$
C	4	1000	2—3 $\frac{1}{4}$	7 $\frac{1}{2}$	1 $\frac{1}{8}$	5 $\frac{1}{2}$	1 $\frac{11}{16}$	3 $\frac{3}{16}$	6 $\frac{3}{8}$	6 $\frac{3}{8}$	3 $\frac{1}{4}$	1 $\frac{11}{16}$
D	6	800	2—3 $\frac{1}{4}$	7 $\frac{3}{8}$	1 $\frac{7}{16}$	5 $\frac{1}{16}$	1 $\frac{13}{32}$	3	6	6 $\frac{1}{8}$	3	1 $\frac{1}{2}$

## PRICE LIST OF HARDWARE

No.	A Size for No. 1 Track		B Size for No. 2 Track		C Size for No. 4 Track		D Size for No. 6 Track	
	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight
131	\$2.25	6 lbs.	\$3.00	9 lbs.	\$5.50	18 lbs.	\$4.75	17 lbs.
231	\$2.25	6 lbs.	\$3.00	9 lbs.	\$5.50	18 lbs.	\$4.75	17 lbs.

For Price List of Track see page 27.

For Price List of Brackets see pages 28 to 31.

# Garage Door Hangers

## No. 135 STYLE DOOR HANGER

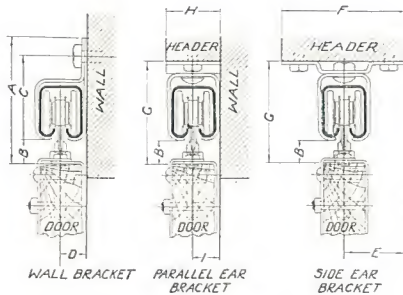
For Doors Exposed to Weather or Salt Air and Sliding on Single Run of Track

For Doors Weighing from 400 to 1000 lbs. Has Lateral and Vertical Adjustments.

This hanger is designed for use where exposed to severe weather conditions or salt air. The adjusting parts of the hanger are made of Brass and are rust proof.



No. 135—235  
Patented



Dimension Diagram



No. 335—435  
Patented

### No. 135

**Wheels**—Machined cast iron.

**Bearings**—Roller, case hardened.

**Pendant**—Rigid, drop forged steel.

**Adjusting Nut and Plate**—Brass.

**Petticoat**—Stamped steel.

**Packed**—One pair in a box with bolts for attaching hangers to door.

### No. 235

Same as No. 135 except carrier has ball bearings.

### No. 335

Same as No. 135 except that it has machined cold rolled steel ball bearing swivel pendant allowing free working should the track get out of line.

### No. 435

Same as No. 335 except carrier has ball bearings.

## DOOR AND HARDWARE DATA—No. 135-235

Size	Track No.	Weight of Door Lbs.	Thickness of Door Inches	A		B		C	D	E	F	G		H	I
				Min.	Max.	Min.	Max.					Min.	Max.		
A	1	400	1 1/4—1 3/4	5 7/16	7 3/16	1 3/16	2 15/16	3 1/2	1 1/16	2 5/8	5 1/4	4 7/16	6 3/16	2 1/4	1 1/16
B	2	600	1 3/4—2 3/4	6 9/16	7 15/16	1	2 3/8	4 3/4	1 1/16	2 5/8	5 1/4	5 9/16	6 15/16	2 1/4	1 1/16
C	4	1000	2 1/4—3 1/2	7 5/8	9	1 1/4	2 5/8	5 1/2	1 1/16	3 3/16	6 3/8	6 1/2	7 7/8	3 1/4	1 1/16
D	6	800	2 1/4—3 1/2	7 1/2	8 7/8	1 9/16	2 15/16	5 1/16	1 15/32	3	6	6 1/4	7 5/8	3	1 1/2

## DOOR AND HARDWARE DATA—No. 335-435

Size	Track No.	Weight of Door Lbs.	Thickness of Door Inches	A		B		C	D	E	F	G		H	I
				Min.	Max.	Min.	Max.					Min.	Max.		
A	1	400	1 1/4—1 3/4	5 3/16	6 5/16	1 5/16	2 1/16	3 1/2	1 1/16	2 5/8	5 1/4	4 3/16	5 5/16	2 1/4	1 1/16
B	2	600	1 3/4—2 3/4	6 5/8	7 5/8	1 1/16	2 1/16	4 3/4	1 1/16	2 5/8	5 1/4	5 5/8	6 5/8	2 1/4	1 1/16
C	4	1000	2 1/4—3 1/2	7 5/8	8 9/16	1 1/4	2 3/16	5 1/2	1 11/16	3 3/16	6 3/8	6 1/2	7 7/16	3 1/4	1 1/16
D	6	800	2 1/4—3 1/2	7 3/16	8	1 1/4	2 1/16	5 1/16	1 15/32	3	6	5 15/16	6 3/4	3	1 1/2

## PRICE LIST OF HARDWARE

No.	A Size for No. 1 Track		B Size for No. 2 Track		C Size for No. 4 Track		D Size for No. 6 Track	
	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight
135	\$4.50	7 lbs.	\$5.25	9 lbs.	\$7.75	20 lbs.	\$7.00	18 lbs.
235	4.50	7 lbs.	5.25	9 lbs.	7.75	20 lbs.	7.00	18 lbs.
335	4.75	7 lbs.	5.50	9 lbs.	8.00	20 lbs.	7.25	18 lbs.
435	4.75	7 lbs.	5.50	9 lbs.	8.00	20 lbs.	7.25	18 lbs.

For Price List of Track see page 27.

For Price List of Brackets see pages 28 to 31.

# Garage Door Hangers

## No. 138 STYLE DOOR HANGER

For Doors Sliding on a Single Run of Track. Also Allows Doors to Swing Out at Bottom to Clear Obstructions on Floor

*For Doors Weighing from 400 to 1000 lbs. Has Lateral Adjustment Only.*

This style hanger has a hinged or swing pendant which often proves useful where there is an obstruction at the floor which would prevent the use of a sliding door unless it could swing out at the bottom to clear the obstruction.



No. 138—238  
Patented

### No. 138

**Wheels**—Machined cast iron.

**Bearings**—Roller, case hardened.

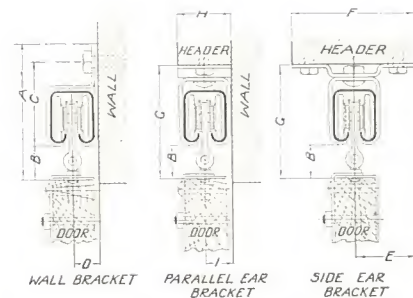
**Pendant**—Swing, dropped forged steel.

**Petticoat**—Stamped steel.

**Packed**—One pair in a box with bolts for attaching hangers to doors.

### No. 238

Same as No. 138 except carrier has ball bearings.



Dimension Diagram

## DOOR AND HARDWARE DATA—No. 138-238

Size	Track No.	Weight of Door Lbs.	Thickness of Door Inches	A	B	C	D	E	F	G	H	I
A	1	400	1 $\frac{1}{4}$ —1 $\frac{3}{4}$	5 $\frac{11}{16}$	1 $\frac{7}{16}$	3 $\frac{1}{2}$	1 $\frac{1}{16}$	2 $\frac{5}{8}$	5 $\frac{1}{4}$	4 $\frac{11}{16}$	2 $\frac{1}{4}$	1 $\frac{1}{16}$
B	2	600	1 $\frac{3}{4}$ —2 $\frac{3}{4}$	6 $\frac{7}{8}$	1 $\frac{3}{8}$	4 $\frac{3}{4}$	1 $\frac{1}{16}$	2 $\frac{5}{8}$	5 $\frac{1}{4}$	5 $\frac{15}{16}$	2 $\frac{1}{4}$	1 $\frac{1}{16}$
C	4	1000	2 $\frac{1}{4}$ —3 $\frac{1}{2}$	8 $\frac{1}{4}$	1 $\frac{7}{8}$	5 $\frac{1}{2}$	1 $\frac{11}{16}$	3 $\frac{3}{16}$	6 $\frac{3}{8}$	7 $\frac{1}{8}$	3 $\frac{1}{4}$	1 $\frac{11}{16}$
D	6	800	2 $\frac{1}{4}$ —3 $\frac{1}{2}$	8 $\frac{1}{8}$	2 $\frac{3}{16}$	5 $\frac{1}{16}$	1 $\frac{15}{32}$	3	6	6 $\frac{7}{8}$	3	1 $\frac{1}{2}$

## PRICE LIST OF HARDWARE

No.	A Size for No. 1 Track		B Size for No. 2 Track		C Size for No. 4 Track		D Size for No. 6 Track	
	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight
138	\$4.50	7 lbs.	\$5.25	9 lbs.	\$7.75	20 lbs.	\$7.00	18 lbs.
238	4.50	7 lbs.	5.25	9 lbs.	7.75	20 lbs.	7.00	18 lbs.

For Price List of Track see page 27.

For Price List of Brackets see pages 28 to 31.

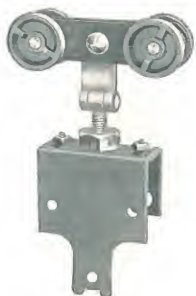
# Garage Door Hangers

## No. 139 STYLE DOOR HANGER

For Doors Sliding on a Single Run of Track. Also Allows Doors to Swing Out at Bottom to Clear Obstructions on Floor

*For Doors Weighing from 400 to 1000 lbs. Has Lateral and Vertical Adjustments.*

This style hanger has a hinged or swing pendant which often proves useful where there is an obstruction at the floor which would prevent the use of a sliding door unless it could swing out at the bottom to clear the obstruction.



No. 139—239  
Patented

### No. 139

**Wheels**—Machined cast iron.

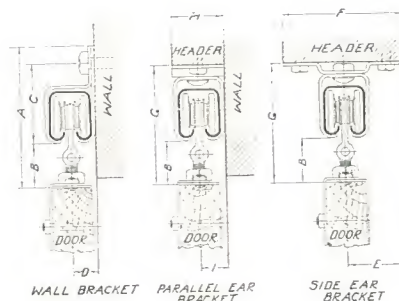
**Bearings**—Roller, case hardened.

**Pendant**—Swing, drop forged steel.

**Adjusting and Lock Nuts**—Machined cold rolled steel.

**Petticoat**—Stamped steel.

**Packed**—One pair in a box with bolts for attaching hangers to doors.



Dimension Diagram

### No. 239

Same as No. 139 except carrier has ball bearings.

## DOOR AND HARDWARE DATA—No. 139-239

Size	Track No.	Weight of Door Lbs.	Thickness of Door Inches	A		B		C	D	E	F	G		H	I
				Min.	Max.	Min.	Max.					Min.	Max.		
A	1	400	1 1/4 - 1 3/4	6 3/8	7 3/4	2 1/8	3 1/2	3 1/2	1 1/16	2 5/8	5 1/4	5 3/8	6 3/4	2 1/4	1 1/16
B	2	600	1 3/4 - 2 3/4	7 5/8	9	2 1/8	3 1/2	4 3/4	1 1/16	2 5/8	5 1/4	6 11/16	8 1/16	2 1/4	1 1/16
C	4	1000	2 - 3 1/4	8 15/16	10 5/16	2 9/16	3 1/2	5 1/2	1 11/16	3 3/16	6 3/8	7 13/16	9 3/16	3 1/4	1 11/16
D	6	800	2 - 3 1/4	8 13/16	10 3/16	2 7/8	4 1/4	5 1/16	1 15/16	3	6	7 9/16	8 15/16	3	1 1/2

## PRICE LIST OF HARDWARE

No.	A Size for No. 1 Track		B Size for No. 2 Track		C Size for No. 4 Track		D Size for No. 6 Track	
	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight
139	\$4.75	7 lbs.	\$5.50	9 1/2 lbs.	\$8.00	19 lbs.	\$7.25	17 1/2 lbs.
239	4.75	7 lbs.	5.50	9 1/2 lbs.	8.00	19 lbs.	7.25	17 1/2 lbs.

For Price List of Track see page 27.

For Price List of Hangers see pages 28 to 31.

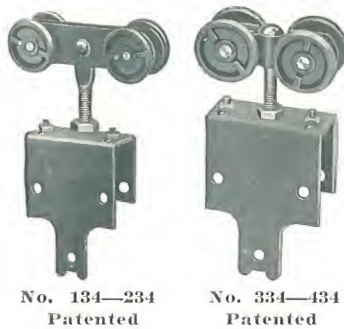
# Garage Door Hangers

## No. 134 STYLE DOOR HANGER

For Doors Sliding on Single, Double or Triple Run of Track

For Doors Weighing from 300 to 900 lbs. Has Lateral and Vertical Adjustments.

A lighter type hanger than No. 137 for lighter doors and to meet competitive prices. For use where the service is not severe. They have the lateral and vertical adjusting feature but are not as strong as No. 137 hanger and should not be used for severe service.

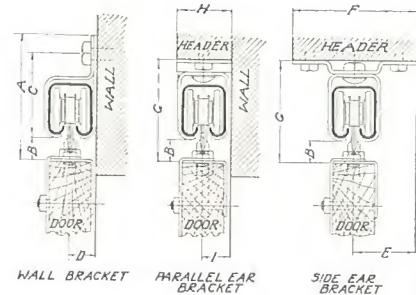


**No. 134**  
**Wheels**—Machined cast iron.  
**Bearings**—Roller, case hardened.  
**Pendant**—Drop forged steel.  
**Petticoat**—Stamped steel.  
**Packed**—One pair in a box with bolts for attaching hangers to door.

**No. 234**  
 Same as No. 134 except carrier has ball bearings.

**No. 334**  
 Same as No. 134 except has forged steel swivel pendant which allows free operation should the track get out of line.

**No. 434**  
 Same as No. 334 except carrier has ball bearings.



Dimension Diagram

When doors slide by each other, flat head wood screws must be substituted in the field for the bolts which fasten petticoat to the door.

### DOOR AND HARDWARE DATA—No. 134-234

Size	Track No.	Weight of Door Lbs.	Thickness of Door Inches	A		B		C	D	E	F	G		H	I
				Min.	Max.	Min.	Max.					Min.	Max.		
A	1	300	1 $\frac{1}{4}$ —1 $\frac{3}{4}$	5 $\frac{1}{8}$	6 $\frac{1}{2}$	7 $\frac{7}{8}$	2 $\frac{1}{4}$	3 $\frac{1}{2}$	1 $\frac{1}{16}$	2 $\frac{5}{8}$	5 $\frac{1}{4}$	4 $\frac{1}{8}$	5 $\frac{1}{2}$	2 $\frac{1}{4}$	1 $\frac{1}{16}$
B	2	500	1 $\frac{3}{4}$ —2 $\frac{3}{4}$	6 $\frac{5}{16}$	7 $\frac{5}{8}$	1 $\frac{13}{16}$	2 $\frac{1}{8}$	4 $\frac{3}{4}$	1 $\frac{1}{16}$	2 $\frac{5}{8}$	5 $\frac{1}{4}$	5 $\frac{3}{8}$	6 $\frac{11}{16}$	2 $\frac{1}{4}$	1 $\frac{1}{16}$
C	4	900	2—3 $\frac{1}{4}$	7 $\frac{7}{16}$	8 $\frac{1}{2}$	1 $\frac{1}{16}$	2	5 $\frac{1}{2}$	1 $\frac{1}{16}$	3 $\frac{3}{16}$	6 $\frac{3}{8}$	6 $\frac{5}{16}$	7 $\frac{1}{4}$	3 $\frac{1}{4}$	1 $\frac{1}{16}$
D	6	700	2—3 $\frac{1}{4}$	6 $\frac{15}{16}$	8	1	2 $\frac{1}{16}$	5 $\frac{1}{16}$	1 $\frac{15}{32}$	3	6	5 $\frac{11}{16}$	6 $\frac{3}{4}$	3	1 $\frac{1}{2}$

### DOOR AND HARDWARE DATA—No. 334-434

Size	Track No.	Weight of Door Lbs.	Thickness of Door Inches	A		B		C	D	E	F	G		H	I
				Min.	Max.	Min.	Max.					Min.	Max.		
A	1	300	1 $\frac{1}{4}$ —1 $\frac{3}{4}$	4 $\frac{15}{16}$	6 $\frac{3}{16}$	1 $\frac{11}{16}$	1 $\frac{5}{16}$	3 $\frac{1}{2}$	1 $\frac{1}{16}$	2 $\frac{5}{8}$	5 $\frac{1}{4}$	3 $\frac{15}{16}$	5 $\frac{3}{16}$	2 $\frac{1}{4}$	1 $\frac{1}{16}$
B	2	500	1 $\frac{3}{4}$ —2 $\frac{3}{4}$	6 $\frac{1}{2}$	7 $\frac{3}{4}$	1 $\frac{15}{16}$	2 $\frac{3}{16}$	4 $\frac{3}{4}$	1 $\frac{1}{16}$	2 $\frac{5}{8}$	5 $\frac{1}{4}$	5 $\frac{1}{2}$	6 $\frac{3}{4}$	2 $\frac{1}{4}$	1 $\frac{1}{16}$
C	4	900	2—3 $\frac{1}{4}$	7 $\frac{5}{8}$	8 $\frac{13}{16}$	1 $\frac{1}{4}$	2 $\frac{7}{16}$	5 $\frac{1}{2}$	1 $\frac{11}{16}$	3 $\frac{3}{16}$	6 $\frac{3}{8}$	6 $\frac{1}{2}$	7 $\frac{11}{16}$	3 $\frac{1}{4}$	1 $\frac{1}{16}$
D	6	700	2—3 $\frac{1}{4}$	7 $\frac{5}{16}$	8 $\frac{5}{16}$	1 $\frac{3}{8}$	2 $\frac{3}{8}$	5 $\frac{1}{16}$	1 $\frac{15}{32}$	3	6	6 $\frac{1}{16}$	7 $\frac{1}{16}$	3	1 $\frac{1}{2}$

### PRICE LIST OF HARDWARE

No.	A Size for No. 1 Track		B Size for No. 2 Track		C Size for No. 4 Track		D Size for No. 6 Track	
	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight
134	\$2.75	7 lbs.	\$3.50	9 lbs.	\$6.00	21 lbs.	\$5.25	16 lbs.
234	2.75	7 lbs.	3.50	9 lbs.	6.00	21 lbs.	5.25	16 lbs.
334	3.00	7 lbs.	3.75	9 lbs.	6.25	21 lbs.	5.50	16 lbs.
434	3.00	7 lbs.	3.75	9 lbs.	6.25	21 lbs.	5.50	16 lbs.

For Price List of Tracks see page 27.

For Price List of Brackets see pages 28 to 31.

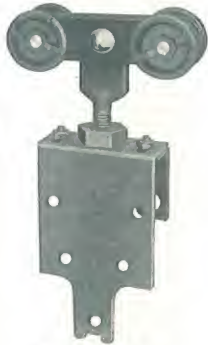
# Garage Door Hangers

## No. 137 STYLE DOOR HANGER

For Doors Sliding on Double or Triple Runs of Track

*For Doors Weighing from 400 to 1000 lbs. Has Lateral and Vertical Adjustment.*

A heavy, high grade hanger designed to stand up under hard usage, and used with heavy doors.



No. 137-237  
Patented



No. 337-437  
Patented

**No. 137**  
**Wheels**—Machined cast iron.  
**Pendant**—Drop forged steel.  
**Bearings**—Roller, case hardened.  
**Adjusting and Lock Nuts**—Machined, cold rolled steel.  
**Petticoat**—Stamped steel.  
**Packed**—One pair in a box with bolts for attaching hangers to door.

### No. 237

Same as No. 137 except carrier has ball bearing.

### No. 337

Same as No. 137 except has machined cold rolled steel ball bearing swivel pendant, which allows free operation should the track get out of line.

### No. 437

Same as No. 337 except carrier has ball bearings.

When doors slide by each other, flat head wood screws have to be substituted in the field for the bolts which fasten petticoat to the door.

### DOOR AND HARDWARE DATA—No. 137-237

Size	Track No.	Weight of Door Lbs.	Thickness of Door Inches	A		B		C	D	E	F	G		H	I
				Min.	Max.	Min.	Max.					Min.	Max.		
A	1	400	1 1/4-1 3/4	5 7/16	7 3/8	1 3/16	3 1/8	3 1/2	1 1/16	2 5/8	5 1/4	4 7/16	6 3/8	2 1/4	1 1/16
B	2	600	1 3/4-2 3/4	6 1/2	8 1/8	1	2 5/8	4 3/4	1 1/16	2 5/8	5 1/4	5 9/16	7 1/16	2 1/4	1 1/16
C	4	1000	2 -3 1/4	7 5/8	9 3/8	1 1/4	3	5 1/2	1 11/16	3 3/16	6 3/8	6 1/2	8 1/4	3 1/4	1 11/16
D	6	900	2 -3 1/4	7 1/2	9 1/4	1 9/16	3 5/16	5 1/16	1 13/32	3	6	6 1/4	8	3	1 1/2

### DOOR AND HARDWARE DATA—No. 337-437

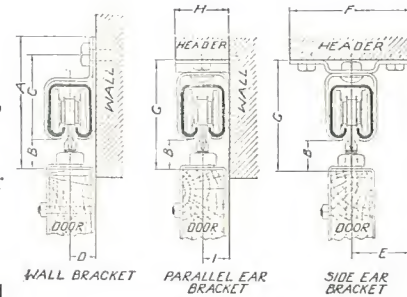
Size	Track No.	Weight of Door Lbs.	Thickness of Door Inches	A		B		C	D	E	F	G		H	I
				Min.	Max.	Min.	Max.					Min.	Max.		
A	1	400	1 1/4-1 3/4	5 3/16	6 5/16	15/16	2 1/16	3 1/2	1 1/16	2 5/8	5 1/4	4 3/16	5 5/16	2 1/4	1 1/16
B	2	600	1 3/4-2 3/4	6 5/8	7 5/8	1 1/16	2 1/16	4 3/4	1 1/16	2 5/8	5 1/4	5 5/8	6 5/8	2 1/4	1 1/16
C	4	1000	2 -3 1/4	7 5/8	8 9/16	1 1/4	2 3/16	5 1/2	1 11/16	3 3/16	6 3/8	6 1/2	7 7/16	3 1/4	1 11/16
D	6	800	2 -3 1/4	7 3/16	8	1 1/4	2 1/16	5 1/16	1 13/32	3	6	5 1/16	6 3/4	3	1 1/2

### PRICE LIST OF HARDWARE

No.	A Size for No. 1 Track		B Size for No. 2 Track		C Size for No. 4 Track		D Size for No. 6 Track	
	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight
137	\$3.50	7 lbs.	\$4.25	9 lbs.	\$6.75	21 lbs.	\$6.00	16 lbs.
237	3.50	7 lbs.	4.25	9 lbs.	6.75	21 lbs.	6.00	16 lbs.
337	3.75	7 lbs.	4.50	9 lbs.	7.00	21 lbs.	6.25	16 lbs.
437	3.75	7 lbs.	4.50	9 lbs.	7.00	21 lbs.	6.25	16 lbs.

For Price List of Track see page 27.

For Price List of Brackets see pages 28 to 31.



Dimension Diagram

# Garage Door Hangers

## No. 444 STYLE DOOR HANGER

For Doors Which Slide and Swing to the Side

For Doors Weighing from 125 to 300 lbs. Has both Lateral and Vertical Adjustment.

Not recommended for doors over three feet wide. These hangers allow the doors to slide and swing to the side, giving a clear opening with a minimum amount of swing space. They allow the doors to fit close to the head and jambs making a tight weatherproof job.



No. 444  
Patented

### No. 444

**Wheels**—Machined cast iron.  
**Bearings**—Steel ball.  
**Pendant**—Turned, cold rolled steel ball bearing swivel.  
**Petticoat**—Forged steel.  
**Adjusting and Check Nuts**—Steel.  
**Lock Washer**—Steel.  
**Packed**—With bolts for attaching hangers to door.

### No. 445

**Wheels**—Machined cast iron.  
**Bearings**—Steel ball.  
**Pendant**—Drop forged steel.  
**Adjusting Nut**—Cold rolled steel, ball bearing swivel.  
**Lock Nut**—Steel.  
**Petticoat**—Forged steel.  
**Packed**—With bolts for attaching hangers to doors.



No. 445  
Patented

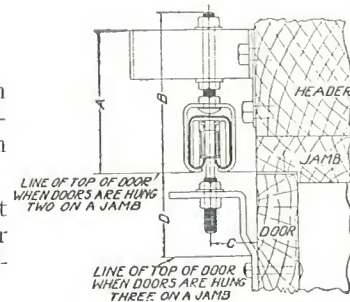
## ADJUSTABLE WALL BRACKETS

These Brackets are necessary in conjunction with the above door hanger and are so constructed that any bracket may be made an end bracket by inserting an end stop.

They are carried in stock in three different lengths of extension 5"—7½", 11", but other lengths of extension can be made for an additional charge.



Adjustable Wall Bracket



Dimension Diagram

## DOOR AND HARDWARE DATA—No. 444-445

No. and Size	Track No.	Weight of Door Lbs.	Thickness of Door Inches	*A		B	C		D			
				Min.	Max.		Min.	Max.	444		445	
									Min.	Max.	Min.	Max.
444 or 445-A	1	125	1 $\frac{1}{4}$ -1 $\frac{3}{4}$	4 $\frac{7}{8}$	5 $\frac{3}{4}$	6 $\frac{5}{8}$	1 $\frac{1}{4}$	11	3 $\frac{3}{8}$	4 $\frac{3}{8}$	3 $\frac{5}{8}$	5 $\frac{1}{8}$
444 or 445-B	2	200	1 $\frac{3}{4}$ -2 $\frac{1}{2}$	6 $\frac{1}{16}$	7	7 $\frac{7}{8}$	1 $\frac{1}{4}$	11	3 $\frac{3}{8}$	4 $\frac{3}{8}$	3 $\frac{3}{4}$	5 $\frac{1}{4}$
444 or 445-C	4	300	2-3 $\frac{1}{4}$	7 $\frac{5}{8}$	9	9 $\frac{7}{8}$	1 $\frac{1}{2}$	14	4 $\frac{1}{8}$	5 $\frac{1}{8}$	4 $\frac{1}{2}$	7 $\frac{1}{8}$
444 or 445-D	6	250	2-3 $\frac{1}{4}$	7 $\frac{1}{8}$	8 $\frac{9}{16}$	9 $\frac{7}{16}$	1 $\frac{3}{4}$	14	4 $\frac{1}{8}$	5 $\frac{1}{8}$	4 $\frac{5}{8}$	6 $\frac{3}{4}$

\* The minimum distance "A" is figured with the Bracket Body bolted up against the Loop and the two nuts and one washer between Body and Loop taken out.

## PRICE LIST OF HARDWARE

No.	A size for No. 1 Track		B size for No. 2 Track		C size for No. 4 Track		D size for No. 6 Track	
	Price each	Weight each lbs.	Price each	Weight each lbs.	Price each	Weight each lbs.	Price each	Weight each lbs.
444	\$2.95	3	\$3.60	3¾	\$5.50	8	\$4.90	7
445	2.25	2¼	3.00	3	4.80	5½	4.20	5

For Price List of Track see page 27.

For Price List of Brackets see pages 28 to 31.

# Garage Door Hangers

## No. 396 STYLE DOOR HANGER

For Doors which Slide and Swing to the Side

*Not Recommended for Doors over 2½ feet Wide. Has Vertical Adjustment Only.*

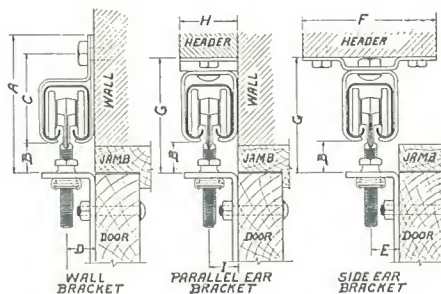
These doors swing to the side of the opening with a minimum amount of swing space and fit tight to the head and jambs. This makes a tight, weatherproof job.



No. 396-496  
Patented

### No. 396

**Wheels**—Machined cast iron.  
**Bearings**—Roller, case hardened.  
**Pendant**—Drop forged steel.  
**Petticoat**—Forged steel.  
**Adjusting Nut**—Machined cold rolled steel ball bearing swivel.  
**Lock Nut**—Steel.  
**Packed**—One in a box with bolts for attaching hanger to doors.



Dimension Diagram

### No. 496

Same as No. 396 except carrier has ball bearings.

## DOOR AND HARDWARE DATA

Size	Track No.	Weight of Door Lbs.	Thickness of Door Inches	A		B		C	D	E	F	G		H	I
				Min.	Max.	Min.	Max.					Min.	Max.		
A	1	125	1¼-1¾	5¼	7	1	2¾	3½	1⅛	1⅛	5¼	4⅛	5⅞	2¼	1⅛
B	2	200	1¾-2½	6⅝	8⅝	1	2¾	4¾	1⅛	1⅛	5¼	5⅛	7⅞	2¼	1⅛
C	4	300	2-3¼	7⅞	10⅜	1⅜	3⅜	5½	1⅛	1⅛	6⅜	6⅜	9	3¼	1⅛
D	6	250	2-3¼	7¼	8¼	1¼	2¼	5⅛	1⅛	1⅛	6	6	7	3	1½

## PRICE LIST OF HARDWARE

No.	A Size for No. 1 Track		B Size for No. 2 Track		C Size for No. 4 Track		D Size for No. 6 Track	
	Price each	Weight	Price each	Weight	Price each	Weight	Price each	Weight
396	\$1.90	1½	\$2.50	2¼	\$3.80	4½	\$3.40	3
496	1.90	1½	2.50	2¼	3.80	4½	3.40	3

### Lengths of Extension Brackets required for various thicknesses of Doors

*The End Bracket at or near the center of the opening should in all cases be an end Swivel Bracket for the size of track required.*

Thickness of Doors	No. 1 Track		No. 2 Track		No. 4 Track		No. 6 Track	
	Center Bracket	End Bracket	Center Bracket	End Bracket	Center Bracket	End Bracket	Center Bracket	End Bracket
1¾" and inclusive	5"	7"	5"	7"	7"	11"	7"	11"
1¾to2½" inclusive	5"	7"	5"	7"	7"	11"	7"	11"
2½to3½" inclusive	7"	11"	7"	11"	7"	11"	7"	11"

For Price List of Track see page 27.

For Price List of Brackets see pages 28 to 31.

# Garage Door Hangers

## No. 395 STYLE DOOR HANGER

For Sliding Corner Doors opening at a right angle to door opening

*For Doors Weighing from 300 to 900 lbs. Has Vertical Adjustments Only.*

When used as shown on page 57 the distance from the door jamb to the face of the wall, on which the door slides, at right angles to the opening, *must not exceed 4 inches.*

Give distance from edge of door to cross wall.

This hanger is also used in conjunction with No. 394 style door hanger as shown on page 56, when the distance from the face of jamb to cross wall is more than 4 inches but not more than 12 inches.

When used on combination slide and folding doors as shown on pages 69-71, the No. 395 Door and Floor Guide are required which will have to be let into the floor.



### No. 395

**Wheels**—Machined cast iron.

**Bearings**—Roller, case hardened.

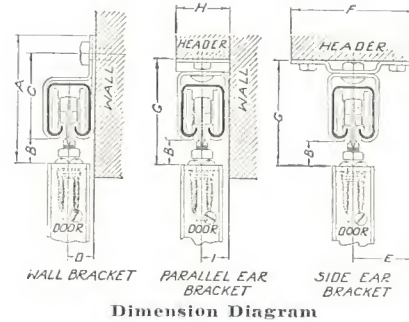
**Pendant**—Drop forged steel.

**Adjusting Nut**—Machined cold rolled steel, ball bearing swivel.

**Lock Nut**—Steel.

**Pendant Plate**—Forged steel.

**Packed**—One in a box with screws for attaching hanger to top and edge of door.



### No. 495

Same as No. 395 except carrier has ball bearings.

### DOOR AND HARDWARE DATA—No. 395-495

Size	Track No.	Weight of Door Lbs.	Min. Thickness of Door Inches	A		B		C	D	E	F	G		H	I
				Min.	Max.	Min.	Max.					Min.	Max.		
A	1	300	1½	5⅝	7¼	1⅙	3	3½	1⅙	2⅝	5¼	4⅝	6¼	2¼	1⅙
B	2	500	1¾	6¾	8½	1⅙	2⅝	4¾	1⅙	2⅝	5¼	5¾	7½	2¼	1⅙
C	4	900	2	7¾	10⅞	1⅙	4⅝	5½	1⅙	3⅝	6⅜	6⅝	9⅞	3¼	1⅙
D	6	700	2	7⅝	8⅝	1⅙	2⅝	5⅙	1⅙	3	6	6⅝	7⅝	3	1⅙

### PRICE LIST OF HARDWARE

No.	A Size for No. 1 Track		B Size for No. 2 Track		C Size for No. 4 Track		D Size for No. 6 Track	
	Price each	Weight	Price each	Weight	Price each	Weight	Price each	Weight
395	\$1.90	2 lbs.	\$2.50	3 lbs.	\$3.80	6½ lbs.	\$3.40	5 lbs.
495	1.90	2 lbs.	2.50	3 lbs.	3.80	6½ lbs.	3.40	5 lbs.

For Price List of Track see page 27.

For Price List of Brackets see pages 28 to 31.

# Garage Door Hangers

## No. 394 STYLE DOOR HANGER

For Sliding Corner Doors opening at a right angle to door opening

For Doors Weighing from 300 to 900 lbs. Has Vertical Adjustment Only.

The distance from the door jamb to the face of the wall on which the door slides at right angles to the opening, must not exceed 12 inches. (See page 56.)

Always give distance from edge of door to crosswall.

This hanger is used in conjunction with No. 395 Style Door Hanger. If the distance from the edge of jamb to crosswall is 4 inches or less, use No. 395 Style door hanger and track arrangement.



No. 394-494  
Patented

### No. 394

**Wheels**—Machined cast iron.

**Bearings**—Roller, case hardened.

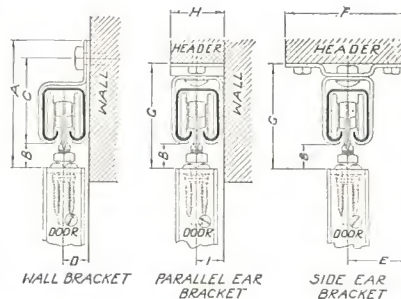
**Pendant**—Drop forged steel.

**Adjusting Nut**—Machined cold rolled steel, ball bearing swivel.

**Lock Nut**—Steel.

**Pendant Plate**—Forged steel.

**Shipped**—Only as ordered with proper length pendant plate and with screws for attaching hanger to door.



Dimension Diagram

### No. 494

Same as No. 394 except carrier has ball bearings.

## DOOR AND HARDWARE DATA—No. 394-494

Size	Track No.	Weight of Door Lbs.	Min. Thickness of Door Inches	A		B		C	D	E	F	G		H	I
				Min.	Max.	Min.	Max.					Min.	Max.		
A	1	300	1 1/2	5 5/16	7 1/4	1 1/16	3	3 1/2	1 1/16	2 5/8	5 1/4	4 5/16	6 1/4	2 1/4	1 1/16
B	2	500	1 3/4	6 3/4	8 1/2	1 3/16	2 15/16	4 3/4	1 1/16	2 5/8	5 1/4	5 3/4	7 1/2	2 1/4	1 1/16
C	4	900	2	7 3/4	10 9/16	1 3/8	4 3/16	5 1/2	1 11/16	3 3/16	6 3/8	6 5/8	9 7/16	3 1/4	1 11/16
D	6	700	2	7 5/8	8 5/8	1 11/16	2 11/16	5 1/16	1 15/32	3	6	6 3/8	7 3/8	3	1 1/2

## PRICE LIST OF HARDWARE

Where Distance from Cross Wall to Edge of Opening does not Exceed 12 Inches

No.	A Size for No. 1 Track	B Size for No. 2 Track	C Size for No. 4 Track	D Size for No. 6 Track
	Price Each	Price Each	Price Each	Price Each
394	\$2.25	\$3.00	\$4.50	\$4.00
494	2.25	3.00	4.50	4.00

For Price List of Track see page 27.

For Price List of Brackets see pages 28 to 31.

# Warehouse Door Hangers

## No. 160 STYLE DOOR HANGER

For Doors Sliding on a Single, Double or Triple Track

For Doors Weighing from 400 to 1000 lbs. Has Lateral and Vertical Adjustment.

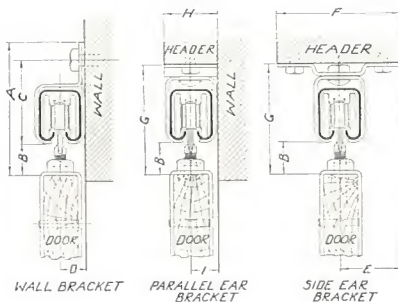
A strong heavy hanger for doors subjected to hard usage made with both a fixed and swivel pendant and for different thicknesses of doors.

No. 360 can be used for doors going around curves.

When ordering, always give thickness of doors and state whether petticoat is to straddle the doors or to be cut in flush on one or both sides.



No. 160—260  
Patented



Dimension Diagram



No. 360—460  
Patented

### No. 160

**Wheels**—Machined cast iron.

**Bearings**—Roller, case hardened.

**Pendant**—Drop forged steel.

**Adjusting and Lock Nuts**—Machined cold rolled steel.

**Petticoat**—Forged steel.

**Packed**—One pair in a box with bolts, for attaching hanger to door.

### No. 260

Same as No. 160 except carrier has ball bearings.

### No. 360

Same as No. 160 except has machined cold rolled steel ball bearing swivel pendant and has cast iron adjusting nut. It can be used where doors have to run around curves.

### No. 460

Same as No. 360 except carrier has ball bearings.

## DOOR AND HARDWARE DATA—No. 160-260

Size	Track No.	Weight of Door Lbs.	Thickness of Door Inches	A		B		C	D	E	F	G		H	I
				Min.	Max.	Min.	Max.					Min.	Max.		
A	1	400	1 $\frac{1}{4}$ —1 $\frac{3}{4}$	5 $\frac{3}{8}$	7 $\frac{5}{16}$	1 $\frac{1}{8}$	3 $\frac{1}{16}$	3 $\frac{1}{2}$	1 $\frac{1}{16}$	2 $\frac{5}{8}$	5 $\frac{1}{4}$	4 $\frac{3}{8}$	6 $\frac{5}{16}$	2 $\frac{1}{4}$	1 $\frac{1}{16}$
B	2	600	1 $\frac{3}{4}$ —2 $\frac{3}{4}$	6 $\frac{7}{16}$	8 $\frac{3}{16}$	$\frac{7}{8}$	2 $\frac{5}{8}$	4 $\frac{3}{4}$	1 $\frac{1}{16}$	2 $\frac{5}{8}$	5 $\frac{1}{4}$	5 $\frac{7}{16}$	7 $\frac{3}{16}$	2 $\frac{1}{4}$	1 $\frac{1}{16}$
C	4	1000	2—3 $\frac{1}{4}$	7 $\frac{7}{16}$	9 $\frac{7}{16}$	1 $\frac{1}{16}$	3 $\frac{1}{16}$	5 $\frac{1}{2}$	1 $\frac{11}{16}$	3 $\frac{3}{16}$	6 $\frac{3}{8}$	6 $\frac{3}{16}$	8 $\frac{5}{16}$	3 $\frac{1}{4}$	1 $\frac{11}{16}$
D	6	800	2—3 $\frac{1}{4}$	7 $\frac{5}{16}$	9 $\frac{5}{16}$	1 $\frac{3}{8}$	3 $\frac{3}{8}$	5 $\frac{1}{16}$	1 $\frac{13}{32}$	3	6	6 $\frac{1}{16}$	8 $\frac{1}{16}$	3	1 $\frac{1}{2}$

## DOOR AND HARDWARE DATA—No. 360-460

Size	Track No.	Weight of Door Lbs.	Thickness of Door Inches	A		B		C	D	E	F	G		H	I
				Min.	Max.	Min.	Max.					Min.	Max.		
A	1	400	1 $\frac{1}{4}$ —1 $\frac{3}{4}$	5 $\frac{1}{8}$	6 $\frac{5}{16}$	$\frac{7}{8}$	2 $\frac{1}{16}$	3 $\frac{1}{2}$	1 $\frac{1}{16}$	2 $\frac{5}{8}$	5 $\frac{1}{4}$	4 $\frac{1}{8}$	5 $\frac{5}{16}$	2 $\frac{1}{4}$	1 $\frac{1}{16}$
B	2	600	1 $\frac{3}{4}$ —2 $\frac{3}{4}$	6 $\frac{5}{16}$	7 $\frac{1}{2}$	$\frac{3}{4}$	1 $\frac{1}{16}$	4 $\frac{3}{4}$	1 $\frac{1}{16}$	2 $\frac{5}{8}$	5 $\frac{1}{4}$	5 $\frac{5}{16}$	6 $\frac{1}{2}$	2 $\frac{1}{4}$	1 $\frac{1}{16}$
C	4	1000	2—3 $\frac{1}{4}$	7 $\frac{5}{16}$	8 $\frac{3}{8}$	$\frac{15}{16}$	2	5 $\frac{1}{2}$	1 $\frac{11}{16}$	3 $\frac{3}{16}$	6 $\frac{3}{8}$	6 $\frac{3}{16}$	7 $\frac{1}{4}$	3 $\frac{1}{4}$	1 $\frac{11}{16}$
D	6	800	2—3 $\frac{1}{4}$	6 $\frac{15}{16}$	7 $\frac{15}{16}$	1	2	5 $\frac{1}{16}$	1 $\frac{13}{32}$	3	6	5 $\frac{1}{16}$	6 $\frac{1}{16}$	3	1 $\frac{1}{2}$

## PRICE LIST OF HARDWARE

No.	A Size for No. 1 Track		B Size for No. 2 Track		C Size for No. 4 Track		D Size for No. 6 Track	
	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight
160	\$4.50	7 lbs.	\$5.25	9 lbs.	\$7.75	15 lbs.	\$7.00	13 lbs.
260	4.50	7 lbs.	5.25	9 lbs.	7.75	15 lbs.	7.00	13 lbs.
360	4.75	7 lbs.	5.50	9 lbs.	8.00	15 lbs.	7.25	13 lbs.
460	4.75	7 lbs.	5.50	9 lbs.	8.00	15 lbs.	7.25	13 lbs.

For Price List of Track see page 27.

For Price List of Brackets see pages 28 to 31.

# Warehouse Door Hangers

## No. 170 STYLE DOOR HANGER

For Heavy Doors Sliding on a Single Run of Track

*For Doors Weighing from 400 to 1000 lbs. Non Adjustable.*

This is a strong, heavy hanger for single doors or gates and has the pendant and petticoat in one piece. The petticoat is on one side of the door only. There is no adjustment on the hanger.



No. 170-270  
Patented

### No. 170

**Wheels**—Machined cast iron.

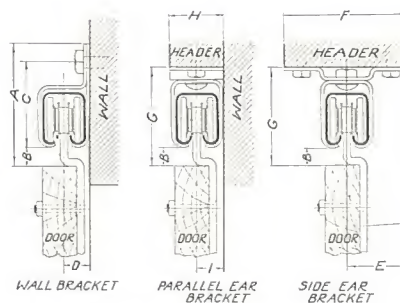
**Bearings**—Roller, case hardened.

**Pendant and Petticoat**—Forged steel, in one piece.

**Packed**—One pair in a box with bolts for attaching hangers to door.

### No. 270

Same as No. 170 except carrier has ball bearings.



Dimension Diagram

## DOOR AND HARDWARE DATA—No. 170-270

Size	Track No.	Weight of Door, Lbs.	Thickness of Door, Inches	A	B	C	D	E	F	G	H	I
A	1	400	1 $\frac{1}{4}$ –1 $\frac{3}{4}$	5	3 $\frac{1}{4}$	3 $\frac{1}{2}$	1 $\frac{1}{16}$	2 $\frac{5}{8}$	5 $\frac{1}{4}$	4	2 $\frac{1}{4}$	1 $\frac{1}{16}$
B	2	600	1 $\frac{3}{4}$ –2 $\frac{3}{4}$	6 $\frac{1}{4}$	1 $\frac{11}{16}$	4 $\frac{3}{4}$	1 $\frac{1}{16}$	2 $\frac{5}{8}$	5 $\frac{1}{4}$	5 $\frac{1}{4}$	2 $\frac{1}{4}$	1 $\frac{1}{16}$
C	4	1000	2 –3 $\frac{1}{4}$	7 $\frac{5}{16}$	1 $\frac{15}{16}$	5 $\frac{1}{2}$	1 $\frac{11}{16}$	3 $\frac{3}{16}$	6 $\frac{3}{8}$	6 $\frac{3}{16}$	3 $\frac{1}{4}$	1 $\frac{11}{16}$
D	6	800	2 –3 $\frac{1}{4}$	6 $\frac{7}{8}$	1 $\frac{15}{16}$	5 $\frac{1}{16}$	1 $\frac{15}{32}$	3	6	5 $\frac{5}{8}$	3	1 $\frac{1}{2}$

## PRICE LIST OF HARDWARE

No.	A Size for No. 1 Track		B Size for No. 2 Track		C Size for No. 4 Track		D Size for No. 6 Track	
	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight
170	\$4.00	6 lbs.	\$4.75	8 $\frac{1}{2}$ lbs.	\$7.25	13 lbs.	\$6.50	11 lbs.
270	4.00	6 lbs.	4.75	8 $\frac{1}{2}$ lbs.	7.25	13 lbs.	6.50	11 lbs.

For Price List of Track see page 27.

For Price List of Brackets see pages 28 to 31.

# Warehouse Door Hangers

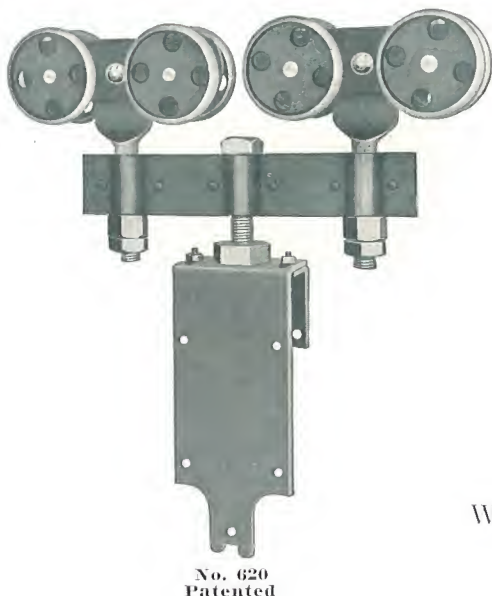
## No. 620 STYLE DOOR HANGER

**For Heavy Doors or Gates Sliding on a Single, Double or Triple Run of Track**

*For Doors Weighing from 1000 to 1800 lbs. Has both Lateral and Vertical Adjustments.*

For use with No. 4 Track Only.

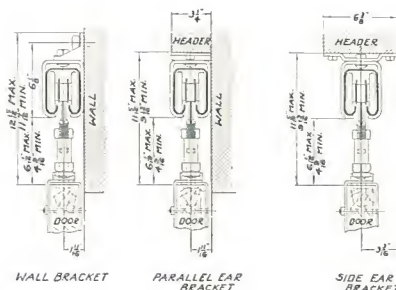
An extra heavy hanger designed for Heavy Doors, Gates for Park Entrances, Engine Houses, etc., where very large doors or gates are required. The weight is carried by two carriers which distribute the load on the track. The brackets for the support of the track should not be spaced more than 2 feet on centers.



For Doors 2" to 3¼" thick.

Brackets should not be spaced over 2' on centers.

Weight 16½ lbs. each.



### No. 620

**Wheels**—Machined cast iron.

**Bearings**—Roller, case hardened.

**Pendants**—Drop forged steel.

**Yoke and King Bolt**—Forged steel.

**Adjusting and Lock Nuts**—Machined cold rolled steel.

**Petticoats**—Stamped steel.

**Packed**—With bolts for attaching hanger to door. In cases where doors slide by each other, flat head wood screws will have to be substituted in the field.

List price per pair as shown **\$12.00**

*For Price List of Track see Page 27.*

*For Price List of Brackets see pages 28 to 31.*

# Warehouse Door Hangers

## No. 750 STYLE DOOR HANGER AND TRACK

(Patented)

For Large Heavy Doors and Gates where the Track will act as structural support for the door over wide openings and where ease of operation is necessary

*For Doors Weighing 1000 lbs. or Over. Non Adjustable.*

### SIZE OF DOORS

No opening is too wide or door too heavy to operate on this style of door hanger. The track is made of structural steel shapes and can be made an integral part of the building if desired.

We have furnished track and door hangers for doors in an opening 50 feet wide and 14 feet high in which three doors were used.

These doors are easily operated by one man.

The only limit to the free spans over which this style of track can be used is that of the safe carrying capacity of structural steel shapes. The size of the track and hanger required is determined by the strength of the structural section required for an unsupported span of the width of the opening. It should be figured at about 60% of the safe load of beams for the span as recommended in any of the steel hand books.

### EASE OF OPERATION

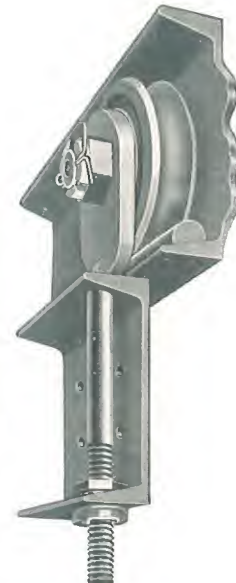
The ease with which the doors of exceptional size and weight can be operated is remarkable. This is an important factor to be considered when doors are operated frequently.



No. 750 Hanger  
Patented  
Door Hanger mounted  
on a Channel for a  
single run of Track



WILLIAM SKINNER & SONS' GARAGE  
Holyoke, Massachusetts



No. 751 Hanger  
Patented  
Designed especially for  
doors which turn a corner,  
requiring a Swivel Hanger

### No. 750 Hanger for Straight Track Only

**Wheels**—Machined cast iron.

**Bearings**—Hardened steel ball.

**Axle**—Cold rolled steel.

**Petticoat**—Heavy forged machine steel.

### No. 751 Hanger for Straight or Curved Track

Same as No. 750 except that petticoat is replaced with a heavy forged steel pendant, cold rolled steel ball bearing swivel adjusting nut, steel lock nut and heavy steel pendant plate for attaching to door.

*All Prices of No. 750 Hangers on application.*

# Warehouse Door Hangers

## No. 750 STYLE HANGER

### A Few Typical Applications of the No. 750 Style Track and Door Hangers.

*The distance from the top of the door to the under side of the track should not exceed  $\frac{1}{8}$  inch.*

#### HANGER No. 750

Fig. No. 4 shows a method of attaching channel track to lintel or to a pilaster at the ends. The bolts thru the web of the channel can be used for supporting the track but they should be in any event spaced not over 5 ft. on centers to keep the track vertical.

"X" = Distance from wall to inside of Petticoat without any filler behind Track.



Fig. No. 4

Size Track	X	Size Track	X	Size Track	X
2" Channel	$1\frac{1}{8}"$	6" Channel	$2\frac{3}{16}"$	10" Channel	$2\frac{3}{4}"$
3" Channel	$1\frac{9}{16}"$	7" Channel	$2\frac{5}{16}"$	12" Channel	$3\frac{3}{16}"$
4" Channel	$1\frac{3}{4}"$	8" Channel	$2\frac{7}{16}"$		
5" Channel	$1\frac{11}{16}"$	9" Channel	$2\frac{5}{8}"$		

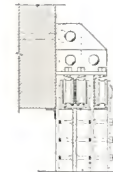


Fig. No. 5

Fig. No. 5 shows a method of spacing this channel track out from the wall to compensate for the thickness of doors. This is the method we recommend for hanging channel track. For various thickness of doors above the thickness given in table X above. We have found that  $\frac{5}{16}$  inches between the wall and the face of the door to be about the right clearance.



Fig. No. 6

Fig. No. 6 shows track hung as in Fig. No. 4 but the petticoat offset to compensate for the thickness of doors. While it is advisable to keep the center of the door directly under the center of the track, it is not necessary.

Fig. No. 7 shows a method of supporting the track from the lintel where the supporting bolts must be carried up from the top of the opening to avoid reinforcements or other obstructions.

Fillers should be placed behind the track every 5 ft. to compensate for the thickness of the doors and keep the track in a vertical position.



Fig. No. 8

Fig. No. 8 shows a method of hanging three parallel runs of track on a structural hanger from the lintel or the ends of the run.

If only two runs of track are required the channel track at the right can be omitted.

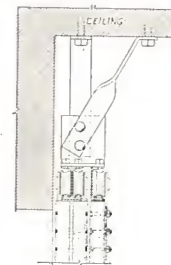


Fig. No. 9

Fig. No. 9 shows a method of hanging three parallel runs of track from the ceiling, where it is impossible to hang same from side walls.

This is simply a typical method and may be varied to suit requirements.

If only two runs of track are required the channel track at right can be omitted.

#### HANGER No. 751

Fig. No. 10 shows No. 751 Door Hanger mounted on channel track and is similar to No. 750 except the wheel is mounted on a ball bearing swivel, which allows the hanger to operate around curves and for corner doors. See table below.

"X" = Distance from wall to inside of Petticoat without any filler behind Track.



Fig. No. 10

Size Track	X	Size Track	X	Size Track	X
2" Channel	$\frac{3}{4}"$	6" Channel	$1\frac{9}{16}"$	10" Channel	$2\frac{1}{8}"$
3" Channel	$1\frac{1}{8}"$	7" Channel	$1\frac{11}{16}"$	12" Channel	$2\frac{9}{16}"$
4" Channel	$1\frac{5}{16}"$	8" Channel	$1\frac{13}{16}"$		
5" Channel	$1\frac{7}{16}"$	9" Channel	$2"$		

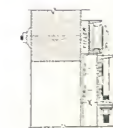


Fig. No. 10

# Warehouse Door Hangers

## No. 750 STYLE HANGER

### Plans and Descriptions of Openings on which No. 750 and No. 751 Door Hangers are Easily Applicable



Plan No. 1

Plan No. 1 requires one run of channel track (length equal to the width of the opening, plus the width of the doors) and two pairs of No. 750 Door Hangers. Full width of opening available at a time.

Plan No. 2 requires one run of I-beam track (length equal to the width of the opening plus the amount the doors lap at the sides) and two pairs of No. 750 Door Hangers.

One-half the opening available at a time.



Plan No. 2



Plan No. 3

Plan No. 3 requires one run of I-beam track and one run of channel track (length equal to the width of the opening, plus the amount the doors lap at the sides) and three pairs of No. 750 door hangers. Two-thirds the opening available at a time.

Plan No. 4 requires one run of I-beam track (length equal to the width of the opening, plus the amount the doors lap at the sides) and three pairs of No. 750 Door Hangers.

One-third the opening available at a time.



Plan No. 4



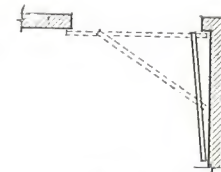
Plan No. 5

Plan No. 5 requires one run of I-beam track (length to be one and one-half times the width of the opening) and four pairs of No. 750 Door Hangers. Full width of opening available at a time.

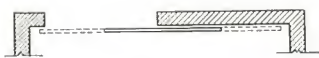
Plan No. 10 requires two runs of straight Channel Track (length of each equal to the distance from the crosswall to the far side of the door when closed or open).

One pair of No. 751 Door Hangers, one right and one left hand.

Full width of opening available at a time.



Plan No. 10



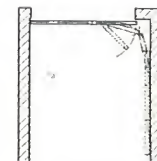
Plan No. 14

Plan No. 14 requires one run of channel track (length equal to the width of the opening plus the width of the door) and one pair No. 750 Door Hangers. Full width of opening available at a time.

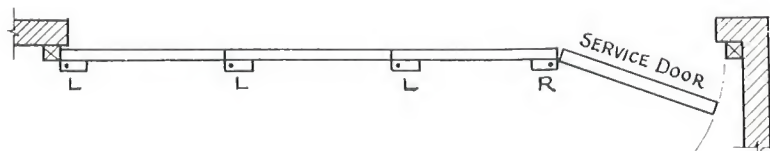
Plan No. 15 requires straight and curved channel track. The curve should be 90° and the radius in feet should not be less than the depth of the beam in inches. The straight track on the tangent should equal the distance from the far side of the doors when open or closed to the tangent point of the curve.

One No. 751 Door Hanger is required for each door and will be part right and part left hand.

See plans below.



Plan No. 15



Plan No. 751 Door Hanger

We recommend doors not over four feet wide be used on this type of layout. For trim see pages 31 to 41, inclusive.

For Floor Guides and Stops see page 38

# Warehouse Door Hangers

## No. 750 and No. 751 STYLE HANGER

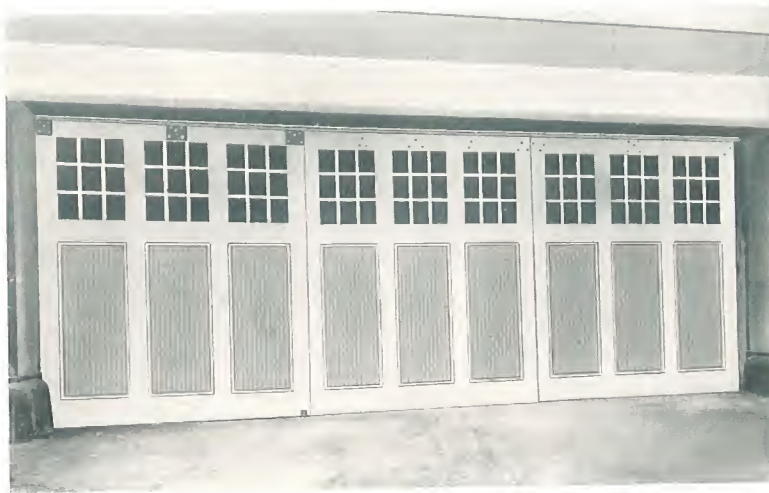
No. 751 are made right and left hand. Always specify which are required when ordering.

For single runs channel track should be used except where the beam has a long unsupported span and requires more strength than is obtainable by use of a channel, in which case I-beam track with rail on one side should be used.

For double runs use I-beam track with rails both sides.

For triple runs use I-beam and channel track combinations as shown on page 21.

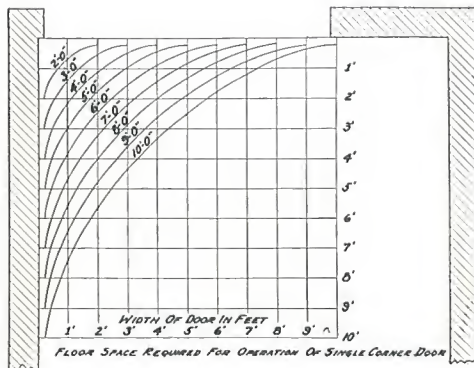
For other conditions not specified above use combinations of I-beam and channel track to meet your requirements.



The above illustration shows a view from the outside of a building. The opening is 37 ft. wide by 14 ft. high, and is closed with three doors hung on No. 750 Style Door Hangers, and shows what a neat appearance is obtained by the use of this outfit.

*All Prices of No. 750 Hangers on Application*

## CLEARANCE CURVE CHART



Clearance Curve Chart

Clearance Curve Chart shows the amount of floor space required for operating corner and around corner doors.

Example—Take a door 8 ft. wide on the curve marked 8' 0". Note that 3 ft. from the side wall the door takes approximately 3 ft. of floor space back from the opening in operating the doors.

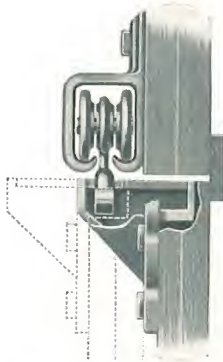
# Refrigeration Door Hangers

## No. 190 STYLE DOOR HANGER

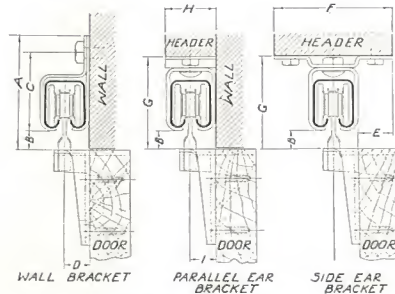
For doors which must close absolutely tight—Weighing from 200 to 600 lbs.

*Non Adjustable. For Tracks Nos. 1, 2, 4, and 6*

This type of hanger is for use on doors which are required to close absolutely tight such as for Ice Box, Smoke Houses, Refrigeration Doors, Etc.



Section View Showing Operation



Dimension Diagram



No. 190-290  
Patented

### No. 190

**Wheels**—Machined cast iron.

**Bearings**—Roller, case hardened.

**Pendant**—Cast brass.

**Petticoat**—Cast Iron.

**Packed**—Only in sets which include one pair door hangers, one pair end wall brackets, one center wall bracket, one No. 190 door guide, one hasp and staple, together with all bolts and lag screws for erecting.

### No. 290

Same as No. 190 except carrier has ball bearings.

## DOOR AND HARDWARE DATA—No. 190-290

Size	Track No.	Weight of Door Lbs.	Thickness of Door Inches	A	B	C	D	E	F	G	H	I
A	1	200	2	$4\frac{15}{16}$	$\frac{11}{16}$	$3\frac{1}{2}$	$1\frac{1}{16}$	$2\frac{5}{8}$	$5\frac{1}{4}$	$3\frac{15}{16}$	$2\frac{1}{4}$	$1\frac{1}{16}$
B	2	400	$2\frac{1}{8}$	$6\frac{7}{16}$	$\frac{7}{8}$	$4\frac{3}{4}$	$1\frac{1}{16}$	$2\frac{5}{8}$	$5\frac{1}{4}$	$5\frac{7}{16}$	$2\frac{1}{4}$	$1\frac{1}{16}$
C	4	600	$3\frac{1}{4}$	$7\frac{3}{16}$	$\frac{13}{16}$	$5\frac{1}{2}$	$1\frac{11}{16}$	$3\frac{3}{16}$	$6\frac{3}{8}$	$6\frac{1}{16}$	$3\frac{1}{4}$	$1\frac{11}{16}$
D	6	500	3	7	$1\frac{1}{16}$	$5\frac{1}{16}$	$1\frac{15}{32}$	3	6	$6\frac{3}{4}$	3	$1\frac{1}{2}$

## PRICE LIST OF HARDWARE

No.	A Size for No. 1 Track		B Size for No. 2 Track		C Size for No. 4 Track		D Size for No. 6 Track	
	Price per Set	Weight	Price per Set	Weight	Price per Set	Weight	Price per Set	Weight
190	\$6.50	14	\$8.45	18	\$11.40	42	\$8.75	32
290	6.85	14	8.75	18	12.00	42	9.45	32

For Price List of Track see page 27.

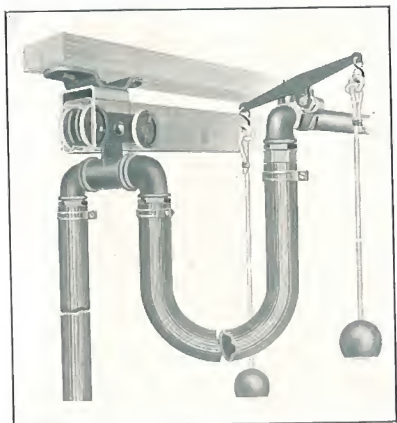
For Price List of Brackets see pages 28 to 31.

# Garage Auto Washer

No. 650 AUTO WASHER

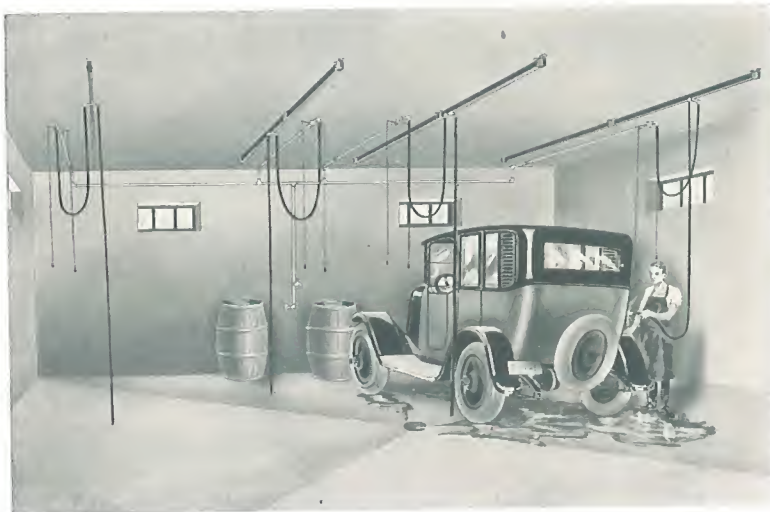
Patented

*Sold in Sets Only*



No. 650 Auto Washer  
Patented

All Parts Made of Brass or Steel and  
are Practically Indestructible



Elevation of Wash Stand Equipped With No. 650 Auto Washer

This device saves labor by eliminating the necessity of rewiping after the car has been polished, as the washer cannot kink the hose and does not spatter the car by throwing the hose to get the kinks out.

The fact that the hose hangs on both sides of the car does not necessitate carrying the hose around the auto and saves the finish, as there is no chance for the hose to rub the edges of the car.

Big users of this device claim that the saving in hose alone in one year more than pays the initial cost.

The valves are controlled by pulling cords which hang from a quick acting valve so that it is no effort for the operator to shut water off when not using same, and there is no excuse for wasting metered water.

The fact that there are no connections over the car to leak, keeps the top from being spotted after washing.

**MATERIAL FURNISHED.** Track and brackets with lag screws for a straight run of track 12 ft. long on each side of the car with a hose carrier for each run; two  $\frac{3}{4}$ " quick acting lever controlled valves with cord and shutoff knobs.

Valves should be placed midway of the length of the washstand so that the hose will reach both ends of the car and still be handy for the operator to control the valves.

Four pieces of the best rubber covered hose obtainable, each 8 ft. long, with leather packings, are included in each set.

Two pieces of hose between the hose carrier and valve have special couplings for connecting to same.

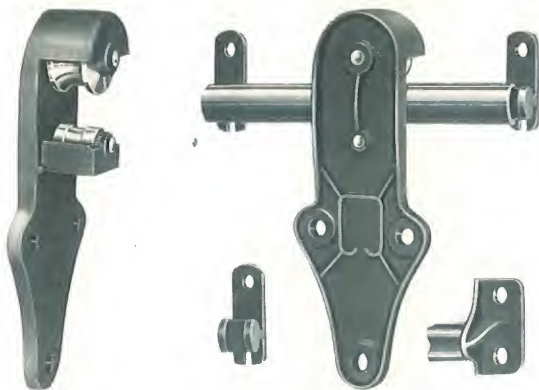
Two pieces of hose between the hose carrier and washstand have special couplings for attaching to hose carrier, and the hand end has no metal so that it is impossible to mar the finish on the car.

Packed one complete set in a box with necessary lags for hanging track.

Price per Set. . . . . \$80.00

## Door Hangers

### No. 900 DOOR HANGER



No. 900 Door Hanger

No. 900 Door Hanger has machined cast iron wheels, case hardened roller bearings, cold rolled steel stud and heavy cast iron rigid pendant. Good for doors weighing not over 600 lbs.

The minimum distance from the top of the door to the hood over the wheel is 5 inches.

### TRACK

The track is  $1\frac{5}{16}$  inches in diameter made of a heavy gauge steel, rolled with a slot at the back so that the brackets can be inserted for fastening track to wall. Made in 6-8-10 foot lengths.

### BRACKETS

The bracket for attaching the track to the wall is made of a high grade malleable iron and is slipped into the slot at the back of the track.

Each installation requires a pair of end brackets and enough center brackets so that the brackets will be spaced not over 2 feet on centers.

		Weight	Price
No. 900 Door Hanger	per pair	9 $\frac{1}{4}$ lbs.	\$2.40
No. 900 Track	per foot	1 lb.	.18
No. 900 1 $\frac{1}{2}$ " Brackets	each		.12

### No. 901 DOOR HANGER



No. 901 Door Hanger

No. 901 Door Hanger has machined cold rolled steel wheels, case hardened roller bearings, cold rolled steel studs and a rigid stamped steel petticoat.

Good for doors weighing not over 600 lbs.

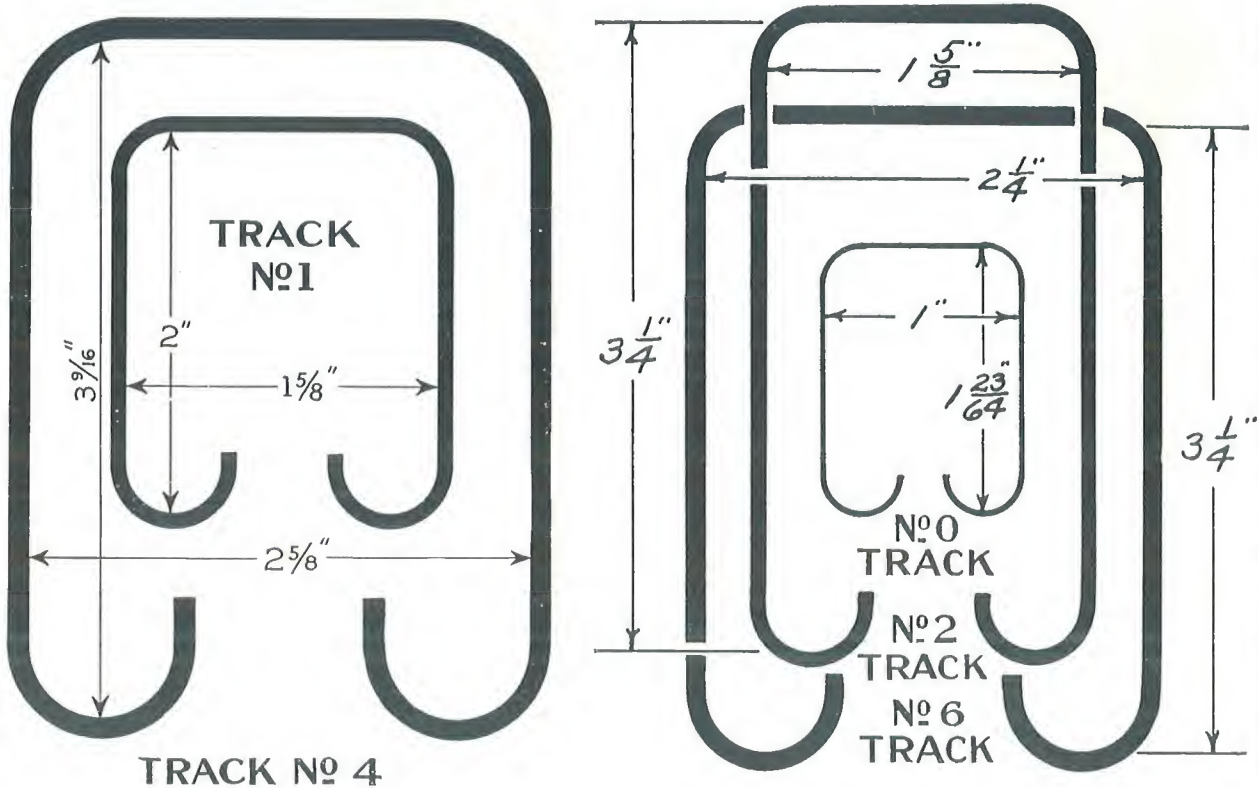
Used with the No. 900 track and brackets.

No. 901 Door Hanger, distance from top of door to the hood over the wheel 3 $\frac{1}{4}$  inches.

		Weight	Price
No. 901 Door Hanger	per pair	5 lbs.	\$1.70
No. 900 Track	per foot	1 lb.	.18
No. 900 1 $\frac{1}{2}$ " Brackets	each		.12

# Track for Coburn Hangers

## FULL SIZE SECTIONS OF TRACK



Track No.	Price per Foot		Longest Length Made		Weight per Foot	Maximum Weight of Doors
	Straight	Curved	Straight	Curved		
0	\$ .20	Not made	3'-0"	Not made	5/8 lbs.	100 lbs.
1	.26	\$ .80	10'-0"	2'-4"	1 1/2 lbs.	300 lbs.
2	.40	1.00	10'-0"	2'-4"	2 lbs.	500 lbs.
4	.65	1.80	8'-0"	2'-4"	3 3/4 lbs.	1200 lbs.
6	.50	1.50	8'-0"	2'-4"	3 lbs.	800 lbs.

**Curves**—Nos. 1, 2, 4 and 6 only can be furnished in curve sections with a minimum radius of 2'-6". Made up in pieces not longer than 28" each and having two or more pieces to a 90° curve.

### THE SELECTION OF THE PROPER SIZE AND TYPE OF HANGER AND TRACK

The selection of the hanger and track depends to a large extent on the weight, size, headroom and service to be required of the door.

Doors which will be subjected to considerable use should have heavier hangers and track than doors of the same size and weight, which will not be used frequently.

### CALCULATION OF DOOR WEIGHTS

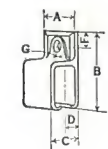
The table below will give the approximate weight for doors with either solid or glazed panels.

TABLE OF DOOR WEIGHTS

Material	Weight in pounds of each square foot of door for various thicknesses								
	1 in.	1 1/2 in.	1 3/4 in.	2 in.	2 1/4 in.	2 3/8 in.	2 5/8 in.	3 in.	3 1/2 in.
White pine.....	2.17	3.25	3.80	4.34	4.88	5.18	5.77	6.51	7.60
Oak and ash.....	3.33	5.00	5.83	6.67	7.50	7.96	8.86	10.00	11.67
Chestnut.....	3.42	5.13	5.98	6.85	7.69	8.11	8.99	10.26	12.00
Cypress.....	2.5	3.75	4.38	5.00	5.63	5.98	6.57	7.5	8.75
Whitewood.....	2.5	3.75	4.38	5.00	5.63	5.98	6.57	7.5	8.75

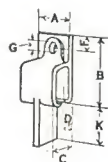
# Cast Iron Brackets

SINGLE WALL BRACKETS											
Track No.	A	B	C	D	F	G	Wt. Lbs.	Number			List Price
								C	R	L	
0	1 $\frac{7}{16}$	3	1 $\frac{7}{16}$	2 $\frac{3}{32}$	1 $\frac{1}{2}$	3 $\frac{9}{32}$	3 $\frac{3}{4}$	B01	B01R	B01L	\$ .20
1	2 $\frac{5}{8}$	4 $\frac{1}{2}$	2 $\frac{5}{16}$	1 $\frac{1}{8}$	1 $\frac{15}{16}$	1 $\frac{9}{16}$	1 $\frac{1}{2}$	B11	B11R	B11L	.30
2	2 $\frac{5}{8}$	5 $\frac{13}{16}$	2 $\frac{7}{16}$	1 $\frac{3}{16}$	1	1 $\frac{9}{16}$	2 $\frac{1}{2}$	B21	B21R	B21L	.50
4	3 $\frac{7}{8}$	7 $\frac{1}{2}$	3 $\frac{3}{4}$	1 $\frac{13}{16}$	1 $\frac{7}{16}$	2 $\frac{7}{8}$	7 $\frac{3}{4}$	B41	B41R	B41L	1.60
6	3	6 $\frac{3}{8}$	3 $\frac{1}{4}$	1 $\frac{5}{8}$	1	1 $\frac{11}{16}$	7	B61	B61R	B61L	1.40



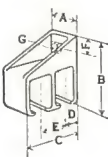
SINGLE WALL CENTER STOP BRACKET

Track No.	A	B	C	D	F	G	K	Wt. Lbs.	Number	List Price
1	2 $\frac{3}{4}$	4 $\frac{11}{16}$	2 $\frac{5}{16}$	1 $\frac{1}{8}$	1 $\frac{1}{16}$	$\frac{1}{2}$	2 $\frac{9}{16}$	2 $\frac{1}{2}$	B17	\$ .50
2	2 $\frac{11}{16}$	5 $\frac{11}{16}$	2 $\frac{3}{8}$	1 $\frac{3}{16}$	1 $\frac{1}{16}$	$\frac{1}{2}$	2 $\frac{9}{16}$	3	B27	.60
4	3 $\frac{13}{16}$	7 $\frac{5}{8}$	2 $\frac{3}{4}$	1 $\frac{7}{8}$	1 $\frac{7}{16}$	2	9 $\frac{1}{4}$	2	B47	2.00
6	3 $\frac{1}{2}$	6 $\frac{3}{8}$	3 $\frac{1}{4}$	1 $\frac{5}{8}$	1	2	5 $\frac{1}{2}$	2	B67	1.20



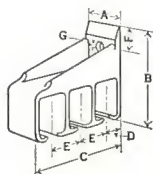
## DOUBLE WALL BRACKETS

Track No.	A	B	C	D	E	F	G	Wt. Lbs.	Number			List Price
									C	R	L	
1	2 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{9}{16}$	1 $\frac{3}{16}$	2 $\frac{1}{8}$	$\frac{11}{16}$	$\frac{9}{16}$	3 $\frac{1}{4}$	B112	B112R	B112L	\$ .70
2	2 $\frac{13}{16}$	5 $\frac{15}{16}$	4 $\frac{3}{4}$	1 $\frac{1}{4}$	2 $\frac{1}{4}$	1	$\frac{9}{16}$	5 $\frac{1}{2}$	B212	B212R	B212L	1.20
4	3 $\frac{1}{8}$	7 $\frac{1}{2}$	7 $\frac{1}{4}$	1 $\frac{15}{16}$	3 $\frac{3}{8}$	1 $\frac{1}{2}$	$\frac{13}{16}$	11 $\frac{3}{4}$	B412	B412R	B412L	2.40
6	3	6 $\frac{3}{8}$	6 $\frac{1}{8}$	1 $\frac{5}{8}$	2 $\frac{7}{8}$	1	$\frac{11}{16}$	10 $\frac{1}{2}$	B612	B612R	B612L	2.20



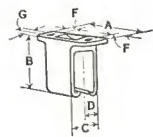
TRIPLE WALL BRACKETS

Track No.	A	B	C	D	E	F	G	Wt. Lbs.	Number			List Price
									C	R	L	
1	2 $\frac{1}{2}$	4 $\frac{13}{16}$	6 $\frac{5}{8}$	1 $\frac{3}{16}$	2 $\frac{1}{8}$	1 $\frac{15}{16}$	5 $\frac{1}{4}$	5 $\frac{1}{4}$	B113	B113R	B113L	\$1.10
2	2 $\frac{7}{8}$	6	6 $\frac{15}{16}$	1 $\frac{5}{16}$	2 $\frac{1}{8}$	1	7 $\frac{3}{4}$	7 $\frac{3}{4}$	B213	B213R	B213L	1.60
4	3 $\frac{5}{16}$	7 $\frac{1}{2}$	10 $\frac{1}{8}$	1 $\frac{3}{4}$	3 $\frac{1}{4}$	1 $\frac{7}{16}$	14 $\frac{3}{4}$	14 $\frac{3}{4}$	B413	B413R	B413L	3.00
6	3	6 $\frac{3}{8}$	9	1 $\frac{5}{8}$	2 $\frac{7}{8}$	1	13	13	B613	B613R	B613L	2.75



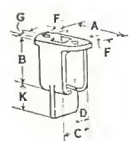
# SINGLE PARALLEL EAR BRACKETS

Track No.	A	B	C	D	F	G	Wt. Lbs.	Number		List Price
								C	E	
0	2 <sup>7</sup> / <sub>8</sub>	2 <sup>5</sup> / <sub>16</sub>	1 <sup>9</sup> / <sub>16</sub>	2 <sup>5</sup> / <sub>32</sub>	1 <sup>11</sup> / <sub>32</sub>	3 <sup>9</sup> / <sub>32</sub>	3 <sup>3</sup> / <sub>4</sub>	B02	B02E	\$ .20
1	4 <sup>5</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>8</sub>	2 <sup>3</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>16</sub>	5 <sup>5</sup> / <sub>8</sub>	1 <sup>7</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	B12	B12E	.35
2	5	4 <sup>9</sup> / <sub>16</sub>	2 <sup>5</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>4</sub>	1 <sup>9</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>2</sub>	B22	B22E	.50
4	6 <sup>1</sup> / <sub>8</sub>	5 <sup>5</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>4</sub>	1 <sup>7</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>4</sub>	2 <sup>7</sup> / <sub>8</sub>	6 <sup>1</sup> / <sub>4</sub>	B42	B42E	1.35
6	5 <sup>9</sup> / <sub>16</sub>	4 <sup>13</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>16</sub>	1 <sup>19</sup> / <sub>32</sub>	3 <sup>3</sup> / <sub>4</sub>	2 <sup>9</sup> / <sub>16</sub>	5 <sup>1</sup> / <sub>4</sub>	B62	B62E	1.25



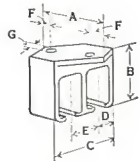
SINGLE CENTER STOP PARALLEL EAR BRACKET

Track No.	A	B	C	D	F	G	K	Wt. Lbs.	Number	List Price
1	4 $\frac{7}{16}$	3 $\frac{5}{16}$	2 $\frac{1}{2}$	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{9}{16}$	1 $\frac{5}{8}$	2 $\frac{3}{4}$	B18	\$ .60
2	4 $\frac{9}{16}$	4 $\frac{1}{2}$	2 $\frac{1}{2}$	1 $\frac{1}{4}$	1 $\frac{9}{16}$	1 $\frac{9}{16}$	1 $\frac{5}{8}$	3 $\frac{1}{2}$	B28	.70
4	6 $\frac{3}{16}$	5 $\frac{1}{4}$	3 $\frac{7}{8}$	1 $\frac{15}{16}$	1 $\frac{11}{16}$	1 $\frac{9}{16}$	1 $\frac{5}{8}$	8	B48	1.70
6	5 $\frac{9}{16}$	4 $\frac{13}{16}$	3 $\frac{1}{4}$	1 $\frac{5}{8}$	3 $\frac{3}{4}$	2 $\frac{9}{16}$	1 $\frac{5}{8}$	5	B68	1.00

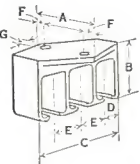


# Cast Iron Brackets

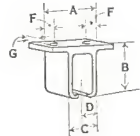
DOUBLE PARALLEL EAR BRACKETS												
Track No.	A	B	C	D	E	F	G	Wt. Lbs.	Number		List Price	
									C	E		
1	4 $\frac{5}{8}$	3 $\frac{5}{8}$	4 $\frac{1}{2}$	1 $\frac{3}{16}$	2 $\frac{1}{8}$	5 $\frac{5}{8}$	9 $\frac{9}{16}$	4 $\frac{1}{2}$	B122	B122E	\$1.00	
2	5	4 $\frac{5}{8}$	4 $\frac{3}{4}$	1 $\frac{5}{16}$	2 $\frac{3}{16}$	1 $\frac{11}{16}$	9 $\frac{9}{16}$	5 $\frac{1}{2}$	B222	B222E	1.25	
4	6 $\frac{3}{16}$	5 $\frac{7}{8}$	7 $\frac{3}{8}$	2	3 $\frac{5}{16}$	1 $\frac{13}{16}$	9 $\frac{9}{16}$	15 $\frac{1}{2}$	B422	B422E	3.25	
6	5 $\frac{9}{16}$	4 $\frac{13}{16}$	6 $\frac{1}{8}$	1 $\frac{5}{8}$	2 $\frac{7}{8}$	3 $\frac{3}{4}$	9 $\frac{9}{16}$	12 $\frac{1}{2}$	B622	B622E	2.50	



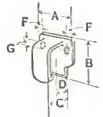
TRIPLE PARALLEL EAR BRACKETS												
Track No.	A	B	C	D	E	F	G	Wt. Lbs.	Number		List Price	
									C	E		
1	4 $\frac{3}{4}$	3 $\frac{1}{2}$	6 $\frac{3}{4}$	1 $\frac{1}{4}$	2 $\frac{1}{8}$	3 $\frac{3}{4}$	9 $\frac{9}{16}$	6 $\frac{1}{4}$	B123	B123E	\$1.35	
2	5	4 $\frac{9}{16}$	6 $\frac{7}{8}$	1 $\frac{1}{4}$	2 $\frac{1}{8}$	3 $\frac{3}{4}$	9 $\frac{9}{16}$	7 $\frac{1}{4}$	B223	B223E	1.50	
4	6 $\frac{5}{16}$	5 $\frac{11}{16}$	10 $\frac{5}{16}$	1 $\frac{7}{8}$	3 $\frac{1}{4}$	4 Holes		19 $\frac{1}{2}$	B423	B423E	4.00	
6	5 $\frac{9}{16}$	4 $\frac{13}{16}$	9	1 $\frac{5}{8}$	2 $\frac{7}{8}$	3 $\frac{3}{4}$	9 $\frac{9}{16}$	16	B623	B623E	3.50	



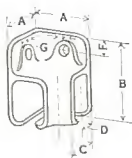
SIDE EAR BRACKETS												
Track No.	A	B	C	D	F	G		Wt. Lbs.	Number		List Price	
									C	E		
0	3	2	1 $\frac{9}{16}$	2 $\frac{5}{32}$	1 $\frac{3}{32}$	9 $\frac{9}{32}$		3 $\frac{3}{4}$	B03	B03E	\$ .20	
1	4 $\frac{13}{16}$	2 $\frac{7}{8}$	2 $\frac{5}{16}$	1 $\frac{3}{16}$	3 $\frac{3}{4}$	7 $\frac{7}{16}$		1 $\frac{3}{4}$	B13	B13E	.35	
2	4 $\frac{11}{16}$	4 $\frac{1}{16}$	2 $\frac{7}{16}$	1 $\frac{3}{16}$	1 $\frac{7}{32}$	5 $\frac{5}{8}$		2 $\frac{1}{4}$	B23	B23E	.50	
4	8	5 $\frac{7}{8}$	4 $\frac{1}{8}$	2 $\frac{1}{16}$	1 $\frac{1}{8}$	3 $\frac{3}{4}$		10 $\frac{3}{4}$	B43	B43E	2.25	
6	6 $\frac{3}{4}$	4 $\frac{13}{16}$	3 $\frac{3}{16}$	1 $\frac{19}{32}$	7 $\frac{7}{8}$	1 $\frac{11}{16}$		8 $\frac{3}{4}$	B63	B63E	1.85	



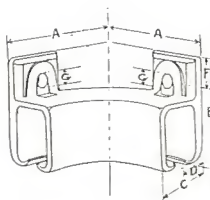
FASCIA BRACKETS												
Track No.	A	B	C	D	F	G		Wt. Lbs.	Number			List Price
									C	R	L	
1	3 $\frac{1}{4}$	3 $\frac{1}{8}$	2 $\frac{1}{2}$	1 $\frac{3}{16}$	1 $\frac{1}{2}$	5 $\frac{5}{16}$		1 $\frac{1}{4}$	B14	B14R	B14L	\$ .30
2	4 $\frac{5}{16}$	4 $\frac{1}{2}$	2 $\frac{9}{16}$	1 $\frac{1}{4}$	1 $\frac{1}{2}$	5 $\frac{5}{16}$		2 $\frac{3}{4}$	B24	B24R	B24L	.60
4	5 $\frac{5}{8}$	4 $\frac{7}{8}$	3 $\frac{1}{2}$	1 $\frac{3}{4}$	3 $\frac{3}{4}$	5 $\frac{5}{16}$		3 $\frac{3}{4}$	B44	B44R	B44L	.80
6	4 $\frac{3}{4}$	4 $\frac{13}{16}$	3 $\frac{3}{16}$	1 $\frac{5}{8}$	1 $\frac{1}{2}$	5 $\frac{5}{16}$		3 $\frac{1}{4}$	B64	B64R	B64L	.70



CORNER BRACKETS												
Track No.	A	B	C	D	F	G		Wt. Lbs.	Number	List Price		
1	3 $\frac{7}{16}$	4 $\frac{5}{8}$	2 $\frac{1}{2}$	1 $\frac{1}{4}$	1	9 $\frac{9}{16}$		4 $\frac{1}{2}$	B15	\$1.00		
2	3 $\frac{7}{16}$	5 $\frac{7}{8}$	2 $\frac{1}{2}$	1 $\frac{1}{4}$	1	9 $\frac{9}{16}$		7	B25	1.50		
4	4 $\frac{7}{8}$	7 $\frac{3}{4}$	3 $\frac{3}{4}$	1 $\frac{7}{8}$	1 $\frac{7}{16}$	1 $\frac{13}{16}$		15 $\frac{3}{4}$	B45	3.25		
6	4	6 $\frac{3}{8}$	3 $\frac{3}{16}$	1 $\frac{5}{8}$	1	1 $\frac{11}{16}$		12 $\frac{1}{2}$	B65	2.50		

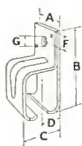


CURVE BRACKETS												
Track No.	A	B	C	D	F	G	Radius	Wt. Lbs.	Number	List Price		
1	5 $\frac{5}{8}$	4 $\frac{5}{8}$	2 $\frac{5}{8}$	1 $\frac{3}{8}$	1	9 $\frac{9}{16}$	3	6 $\frac{1}{4}$	B16	\$1.35		
2	8 $\frac{5}{8}$	5 $\frac{3}{4}$	2 $\frac{9}{16}$	1 $\frac{3}{8}$	7 $\frac{7}{8}$	9 $\frac{9}{16}$	6	10 $\frac{3}{4}$	B26	2.25		
4	13	7 $\frac{1}{2}$	4	2 $\frac{1}{16}$	1 $\frac{3}{8}$	1 $\frac{13}{16}$	9	29	B46	5.00		
6	12 $\frac{1}{4}$	6 $\frac{1}{2}$	3 $\frac{1}{2}$	1 $\frac{3}{4}$	1	1 $\frac{11}{16}$	9	20	B66	4.50		



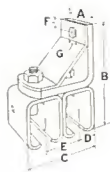
## Forged Steel Brackets

### SINGLE WALL BRACKETS



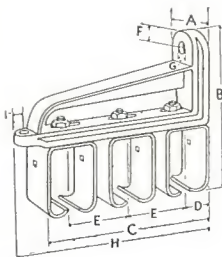
Track No.	A	B	C	D	F	G	Wt. Lbs.	Number	List Price
1	2	4 1/8	2 5/32	1 3/32	3/4	9/16	3/4	B11F	\$ .22
2	2 1/4	5 3/8	2 5/32	1 3/32	3/4	9/16	1 1/4	B21F	.36
4	3 1/4	6 1/8	3 3/8	1 11/16	7/8	1 1/16	4	B41F	.74
6	3	5 3/4	2 15/16	1 15/32	7/8	1 1/16	2 1/2	B61F	.56

### DOUBLE WALL BRACKETS



Track No.	A	B	C		D	E		F	G	Wt. Lbs.	No.	List Price
			Min.	Max.		Min.	Max.					
1	2 1/4	6 5/8	4 5/16	4 3/4	1 3/32	2 5/32	2 9/16	3/4	1 1/16	2 1/4	B112F	\$ .65
2	2 1/4	7 7/8	4 5/16	4 3/4	1 3/32	2 5/32	2 9/16	3/4	1 1/16	3	B212F	.90
4	3 1/4	10 7/16	6 3/4		1 11/16	3 3/8	3 3/8	3/4	1 13/16	9 3/4	B412F	1.60
6	3	9 9/32	5 7/8		1 3/32	2 15/16	2 15/16	3/4	1 13/16	6 1/2	B612F	1.30

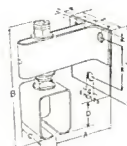
### TRIPLE WALL BRACKET



Track No.	A	B	C		D	E		F	G	H	I	Wt. Lbs.	No.	List Price
			Max.	Min.		Max.	Min.							
1	2 5/16	7 1/8	7 1/8	6 3/8	1 1/8	2 1/2	2 1/8	7/8	1 1/16	8 3/8	5/8	6	B113F	\$1.50
2	2 5/16	8 3/8	7 1/8	6 3/8	1 1/8	2 1/2	2 1/8	7/8	1 1/16	8 3/8	5/8	8 1/2	B213F	2.00
4	3 5/16	10 1/8	10 3/4	10 1/8	1 3/4	3 11/16	3 3/8	1 3/16	1 13/16	11 7/8	1 13/16	21	B413F	3.00
6	3	9 5/8	10 5/16	8 13/16	1 5/8	3 11/16	2 15/16	1 1/8	1 13/16	11 3/4	5/8	13 1/2	B613F	2.50

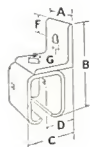
Note: This bracket is furnished with heavy cast iron top and large adjustment.

### ADJUSTABLE WALL BRACKETS



Track No.	A	B	C	D		E	F	G	H	I	J	K	5" Extension		7 1/2" Extension		11" Extension		14" Extension	
				Max.	Min.								Wt. Lbs.	Price	Wt. Lbs.	Price	Wt. Lbs.	Price	Wt. Lbs.	Price
1	1 1/4	6 1/2	2 1/4	1 5/8	5/8	1/2	1/4	9/16	2 1/4	3 1/2	4	2 7/8	2 3/4	\$1.05	3	\$1.20	4 1/4	\$1.30	—	—
2	1 1/4	7 3/4	2 1/4	2 7/8	1 7/8	1 1/2	5/16	9/16	2 1/4	3 1/2	4	2 7/8	3 1/4	1.30	3 1/2	1.50	4 3/4	1.75	—	—
4	1 15/16	9 5/8	3 3/8	4	2 5/8	7/8	1/2	1 1/16	3	4 3/4	5	3	—	—	9 1/2	3.10	11	3.40	12 1/4	\$3.80
6	1 3/4	9 1/4	3	3 5/8	2 3/16	7/8	1/2	1 1/16	3	4 3/4	5	3	—	—	8 1/4	2.90	9 3/4	3.10	11	3.40

### SWIVEL WALL BRACKETS



Track No.	A	B	C	D	F	G	Wt. Lbs.	No.	Price Set
1	2 1/4	5 1/4	2 11/16	1 9/16	1	9/16	1 1/4	B-19F	\$ .40
2	2 1/4	6 1/16	2 11/16	1 9/16	1	9/16	2	B-29F	.60
4	3 1/4	7 1/8	4 1/8	2 7/16	1	1 1/16	4 1/2	B-49F	1.30
6	3	6 5/8	3 5/8	2 1/8	1	1 1/16	3 3/4	B-69F	1.10

## Forged Steel Brackets

## OVERHEAD BRACKETS

Track No.	A	B	C	D	E	F	G	Wt. Lbs.	Number	List Price
1	5 $\frac{1}{4}$	3 $\frac{1}{8}$	2 $\frac{1}{4}$	2 $\frac{5}{8}$	2 $\frac{1}{8}$	3 $\frac{3}{4}$	7 $\frac{7}{16}$	1 $\frac{1}{4}$	B12F	\$ .24
2	5 $\frac{1}{4}$	4 $\frac{7}{16}$	2 $\frac{1}{4}$	2 $\frac{5}{8}$	2 $\frac{1}{8}$	3 $\frac{3}{4}$	7 $\frac{7}{16}$	1 $\frac{1}{2}$	B22F	.40
4	6 $\frac{3}{8}$	5	3 $\frac{3}{8}$	3 $\frac{3}{16}$	3 $\frac{3}{8}$	4 $\frac{7}{8}$	9 $\frac{9}{16}$	4 $\frac{7}{8}$	B42F	.74
6	6	4 $\frac{1}{2}$	3	3	2 $\frac{1}{16}$	4 $\frac{1}{2}$	9 $\frac{9}{16}$	3 $\frac{1}{2}$	B62F	.56

## DOUBLE PARALLEL EAR BRACKETS

Track No.	A	B	C		D	E		F	G	Wt.	No.	List Price
			Min.	Max.		Min.	Max.					
1	5 $\frac{1}{4}$	3 $\frac{1}{4}$	4 $\frac{5}{16}$	4 $\frac{3}{4}$	1 $\frac{3}{32}$	2 $\frac{5}{32}$	2 $\frac{19}{32}$	3 $\frac{3}{4}$	7 $\frac{7}{16}$	2 $\frac{3}{4}$	B112F	\$ .65
2	5 $\frac{1}{4}$	4 $\frac{9}{16}$	4 $\frac{5}{16}$	4 $\frac{3}{4}$	1 $\frac{3}{32}$	2 $\frac{5}{32}$	2 $\frac{19}{32}$	3 $\frac{3}{4}$	7 $\frac{7}{16}$	3 $\frac{1}{4}$	B222F	.90
4	6 $\frac{3}{8}$	5 $\frac{1}{4}$	6 $\frac{3}{4}$	7 $\frac{3}{4}$	1 $\frac{11}{16}$	3 $\frac{3}{8}$	4 $\frac{3}{8}$	4 $\frac{7}{8}$	9 $\frac{9}{16}$	9 $\frac{1}{2}$	B422F	1.60
6	6	4 $\frac{11}{16}$	5 $\frac{7}{8}$	6 $\frac{11}{16}$	1 $\frac{15}{32}$	2 $\frac{1}{16}$	3 $\frac{3}{4}$	4 $\frac{1}{2}$	9 $\frac{9}{16}$	5 $\frac{3}{4}$	B622F	1.30

## TRIPLE PARALLEL EAR BRACKETS

Track No.	A	B	C		D	E		F	G	Wt.	No.	List Price
			Min.	Max.		Min.	Max.					
1	5 $\frac{1}{4}$	3 $\frac{1}{4}$	6 $\frac{15}{32}$	6 $\frac{29}{32}$	1 $\frac{3}{32}$	2 $\frac{5}{32}$	2 $\frac{3}{8}$	3 $\frac{3}{4}$	7 $\frac{7}{16}$	4	B123F	\$1.20
2	5 $\frac{1}{4}$	4 $\frac{9}{16}$	6 $\frac{15}{32}$	6 $\frac{29}{32}$	1 $\frac{3}{32}$	2 $\frac{5}{32}$	2 $\frac{3}{8}$	3 $\frac{3}{4}$	7 $\frac{7}{16}$	5	B223F	1.50
4	6 $\frac{3}{8}$	5 $\frac{1}{4}$	10 $\frac{1}{8}$	11 $\frac{1}{8}$	1 $\frac{11}{16}$	3 $\frac{3}{8}$	3 $\frac{7}{8}$	4 $\frac{7}{8}$	9 $\frac{9}{16}$	13 $\frac{3}{4}$	B423F	2.40
6	6	4 $\frac{11}{16}$	8 $\frac{1}{16}$	9 $\frac{5}{8}$	1 $\frac{15}{32}$	2 $\frac{1}{16}$	3 $\frac{11}{32}$	4 $\frac{1}{2}$	9 $\frac{9}{16}$	8 $\frac{3}{4}$	B623F	2.00

## SPLIT PARALLEL EAR BRACKETS

Track No.	A	B	C	D	E	F	G	Wt.	Number	List Price
1	5 $\frac{1}{2}$	3 $\frac{1}{8}$	2 $\frac{1}{4}$	1 $\frac{1}{16}$	2 $\frac{5}{32}$	4 $\frac{1}{4}$	9 $\frac{9}{16}$	1 $\frac{1}{4}$	B16F	\$ .30
2	5 $\frac{1}{2}$	4 $\frac{3}{8}$	2 $\frac{1}{4}$	1 $\frac{1}{16}$	2 $\frac{5}{32}$	4 $\frac{1}{4}$	9 $\frac{9}{16}$	1 $\frac{1}{2}$	B26F	.50
4	7 $\frac{1}{16}$	5 $\frac{3}{16}$	3 $\frac{1}{4}$	1 $\frac{11}{16}$	3 $\frac{3}{8}$	5 $\frac{1}{16}$	9 $\frac{9}{16}$	4 $\frac{7}{8}$	B46F	.90
6	6 $\frac{1}{2}$	4 $\frac{5}{8}$	3	1 $\frac{15}{32}$	2 $\frac{1}{16}$	5 $\frac{1}{4}$	9 $\frac{9}{16}$	3 $\frac{1}{2}$	B66F	.75



The illustration shows how we recommend raising the sill from  $\frac{3}{4}$ " to 1" so that the door will lap the saddle when closed.

The Bumper Shoes shown overlapping the edge of the door, at the front, take the blow as the door enters the Floor Stops and the No. 189 Guide Roll attached to the floor pushes against the Wedge at the back end of the Chafe Strip forcing the door against the wall and saddle making a tight job.

For single doors use No. 191 Floor Stop attached to the floor at the front end.

For pairs of doors running on a single run of track use No. 193 Floor Stop attached to the floor at the center of the opening.

We do not advise stopping the doors with attachments fastened to the Track or Brackets.

# Garage and Warehouse Door Hardware

## HANDLES



Light Flush Handle

**Light Flush Handle**—Made of cast iron. Plate  $2\frac{3}{8}$ " x  $3\frac{5}{8}$ " with finger hole  $2\frac{7}{8}$ " x  $1\frac{3}{4}$ " x 1" deep.

Price each, including screws.....\$ .14



Light Raised Handle

**Light Raised Handle**—Made of cast iron. Hand hole  $3\frac{1}{2}$ " x  $1\frac{3}{8}$ ".

Price each, including screws.....\$ .14



Flush Door Pull

**Flush Door Pull**—Made of cast iron. Plate  $3\frac{3}{4}$ " x 5. Finger hole  $3\frac{1}{4}$ " x 3" x  $1\frac{3}{8}$ " deep.

Price each, including screws.....\$ .35



Heavy Flush and Raised Handle

**Heavy Flush and Raised Handles**—Made of cast iron. Flush handle has finger hole  $4\frac{1}{2}$ " x  $1\frac{1}{2}$ " deep. Raised handle has hand hole  $4\frac{1}{2}$ " x  $1\frac{3}{4}$ ". The two are bolted together through the door.

**Always give thickness of the door.**

Price per pair, including bolts.....\$ .65

## GUIDE ROLLS



No. 1 Guide Roll

**No. 1 Guide Roll**—Cast iron roll  $3\frac{1}{2}$ " diameter. Stand, heavy steel forging. Floor to center of roll  $6\frac{1}{2}$ ".

Price each, including  $\frac{1}{2}$ " x  $2\frac{1}{2}$ " lags for fastening to floor.....\$ .90



No. 185 Guide Roll

**No. 185 Guide Roll**—cast iron roll 2" diameter mounted on a  $\frac{1}{2}$ " lag screw for fastening into floor  $3\frac{7}{8}$ " over all.

Price each.....\$ .16



No. 186 Guide Roll

**No. 186 Guide Roll**—cast iron roll 2" diameter. Heavy stamped steel stand. Adjustable for doors  $1\frac{1}{2}$ " to  $2\frac{3}{4}$ " thick.

Price each, including flat head wood screws for attaching to wall.....\$ .20



No. 187 Guide Roll

**No. 187 Guide Roll**—cast iron roll 2" diameter. Heavy forged steel frame. Adjustable for doors  $1\frac{1}{8}$ " to  $2\frac{1}{4}$ " thick.

Price each, including flat head wood screws for attaching to wall.....\$ .24



No. 188 Guide Roll

**No. 188 Guide Roll**—cast iron roll 2" diameter,  $\frac{1}{2}$ " forged steel stem. Inside of roll to end of screw  $4\frac{7}{8}$ ".

Price each.....\$ .20



No. 189 Guide Roll

**No. 189 Guide Roll**—cast iron roll 2" diameter. Cast iron housing and base. Lag screws into the floor 2". Floor to center of roll 1".

Price each.....\$ .50

# Garage and Warehouse Door Hardware

## GUIDE ROLLS



No. F14 Guide Roll

**No. F-14 Guide Roll**—Cast iron roll 2" diameter. Heavy cast iron stand and heavy steel stud bolt.

Floor to center of roll 6½".

Price each, including ½" x 2½" lag screws .....\$ .65



No. 395 Chafe Roll

**No. 395 Chafe Roll**—Cast iron roll 1¼" diameter. Cast iron housing set into the corner of the door to keep door from chafing when opening and closing.

Price each, including screws .....\$ .45



No. 50 Chafe Roll

**No. 50 Chafe Roll**—Cold rolled steel roll ¾" diameter. Set into the face of the door to keep same from chafing against wall or another door.

Price each, including screws .....\$ .50



No. 51 Guide Roll

**No. 51 Guide Roll**—Cold rolled steel roll ¾" diameter. Plate steel 1" x 2½" x ⅛" thick.

Let into bottom of door and roll engages in slot in floor or in Floor Guides.

Price each, including screws .....\$ .50



No. 51 Guide Roll

**No. 388 Guide Roll**—For use with No. 395 Floor Guide. Cold rolled steel roll 1⅛" diameter. Plate, steel 1¼" x 4¾" x ¼" thick. Let into bottom of door and roll engages in No. 395 Floor Guide.

Price each, including screws .....\$ .50



No. 388 Guide Roll

**No. 395 Guide Roll**—For use with No. 395 Floor Guide. Cold rolled steel roll 1⅛" diameter. Stand, heavy steel forging, fastened to the bottom and edge of door. Roll engages in No. 395 Floor Guide. Always state the size Door Hanger this style Guide Roll is to be used with.

Price each, including screws .....\$ .65



No. 395 Floor and Door Guides

**No. 395 Floor Guide**—For use with Nos. 388 and 395 Guide Rolls. Made of steel throughout. Attached to rough floor comes flush with the ⅞" finished floor.

Price per foot, including screws .....\$ .65



No. 200 Floor and Door Guides

**No. 200 Door Guide**—For Fastening to the bottom of the door for use with Nos. 200 and 201 Floor Guide. Made of steel throughout, for doors 1½" thick and over.

Engages in No. 200 or 201 Floor Guide ½".

Length should equal the width of the door.

Price per foot, including screws .....\$ .65

**No. 200 Floor Guide**—For use with No. 200 Door Guide. For single run of track.

Length should equal twice the width of the opening.

Price per foot, including screws .....\$1.05

# Garage and Warehouse Door Hardware

## FLOOR GUIDES



No. 201 Floor Guide

**No. 201 Floor Guide**—For use with No. 200 Door Guide.

For parallel runs of track.

Length should equal the width of the opening plus the amount the doors travel to the sides.

Price per foot, including screws .....\$1.60

No. 200 and 201 Floor Guides are made of steel throughout, can be fastened to the rough floor and come flush with the  $\frac{7}{8}$ " finished floor.

May also be anchored in concrete floor.



No. 356 Floor Guide

**No. 356 Floor Guide**—For attaching to floor at bottom corner of the door to keep the bottom of the door from swinging in.

Made of steel throughout.

Projects  $1\frac{1}{4}$ " above the floor.

Price each, including screws .....\$ .50

## WEAR PARTS

Wherever a Guide Roll is used a Flat Chafe Strip and Wedge should be used on the side of the door to engage with the Guide Roll.

The Flat Chafe Strip takes the wear off the wood door and the wedge binds the door against the wall by pressing against the Guide Roll thus insuring a tight job.



Flat Chafe Strip

**Flat Chafe Strip**—Made of  $\frac{1}{8}$ " x 1" Flat steel countersunk for flat head wood screws. Where a wedge and bumper shoes are used the length should be 8" less than the width of the door.

Price per foot, including screws .....\$ .12



Oval Chafe Strip

**Oval Chafe Strip**—Made of  $\frac{1}{4}$ " x  $\frac{3}{4}$ " half oval steel with ends beveled to keep the door from chafing against the wall. Countersunk for flat head wood screws.

*Length should be 3" less than the width of the opening.*

Price per foot, including screws .....\$ .16



Wedge

**Wedge**—Cast iron 1" wide has rise of  $\frac{5}{8}$ ". Engages with Guide Roll, and forces the door tight against the wall. Countersunk for flat head screws.

Price each, including screws .....\$ .13



Bumper Shoe

**Bumper Shoe**—For protecting the door wherever the door strikes a binder or stop. Made of steel. Countersunk for flat head wood screws.

Price per pair, including screws .....\$ .26

# Garage Door Hardware

## FASTENINGS



**No. 207 Flush Foot Bolt**—Made of steel throughout. Size of plate on door  $1\frac{1}{4}" \times 6\frac{1}{2}"$ , complete with floor plate and screws for attaching.

Price each.....\$1.60



**No. 208 6" Spring Top Bolt**—Made of steel throughout. Size of plate on door  $2" \times 5"$ , complete with catches, chain, ring, chain holder and screws for attaching. Bolt extends  $\frac{3}{4}"$  above top of door.

Price each.....\$1.10

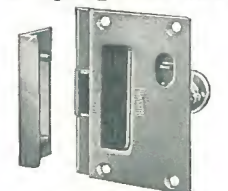


**No. 209 6" Spring Foot Bolt**—Made of steel throughout. Size of plate on door  $2" \times 5"$ . Bolt extends  $1\frac{1}{8}"$  below the bottom of the door.

Foot pressure downward in the release button unlocks bolt and a concealed spring forces bolt up unlocking same.

Complete with catch and screws for attaching.

Price each.....\$1.00



**No. 300 Lock**—(For sliding doors.) Can be used where doors close against jamb or where they meet in the opening and are hung on a single run of track.

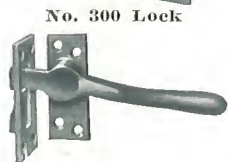
The lock case is cast iron  $4" \times 5\frac{1}{2}"$  and there is no projection beyond the edge of the door.

The strike is of malleable iron and projects  $\frac{3}{4}"$  from the jamb.

Has three keys for the cylinder lock.

Complete as described above with screws and directions for attaching, in a pasteboard box.

Price each.....\$5.00



**No. 196 Lock**—(For doors hung on parallel track.)

Made of brass throughout. Plate for attaching to door  $1\frac{1}{8}" \times 3\frac{1}{16}"$ . Strike plate is  $1\frac{5}{8}" \times 3\frac{1}{8}"$ .

The weight of the handle tends to lock the doors more tightly, due to the cam surface on the inside of the strike which engages with a T head on the handle.

When not in use the handle drops down into a vertical position and there is no projection into the opening.

Natural brass finish.

Price includes screws for attaching.

Price each.....\$1.00



**No. 197 Latch**—(For either single or pairs of doors hung on a single run of track.) 8" only carried in stock.

Made of steel throughout. Pivot plate  $2" \times 2\frac{7}{8}"$ . Catch plate  $2" \times 3\frac{3}{4}"$ .

Price includes screws for attaching.

Price each.....\$1.30

Always give hand. Cut shows right hand.



**No. 210 Stay Rod**—(For keeping door from sagging.) Made of steel throughout.

May be fastened with a bolt thru the hinge leaf, or with a bolt thru the hanging stile of the door, and passes diagonally across door to the meeting stile where the clip is fastened to the door.

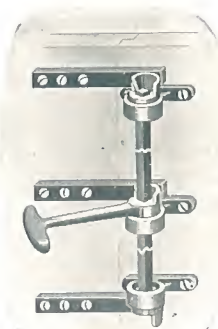
By taking up on the nut the sag is taken out of the door.

Price includes screws for attaching.

Width of Door	Price Each	Width of Door	Price Each
3'-0"	\$ .80	4'-0"	\$ .90
3'-6"	.85	4'-6"	.95

## Garage Door Hardware

### FASTENINGS



No. 195  
Door Binder  
Patented

**No. 195 Door Binder**—For use on combination slide and swing doors.

With this binder both doors are fastened together in a rigid manner which makes the two doors as rigid as though they were one.

The arms placed on one door swing behind the cams placed on the upright rod which when operated by the handle tend to turn the doors inside out. **Carried in stock in three sizes.**

Price list including cams:

5 ft.....	\$3.60
6 ft.....	4.00
7 ft.....	4.40



No. 211  
Cane Bolt

**No. 211 Cane Bolt.** (Three sizes carried in stock).

Made of steel throughout for use on either sliding or swing doors.

The bolt is held up by the hanger so that it does not drag on the floor when not engaged.

The swedged knobs keep the bolt from coming out when being operated.

Guide plates are  $2\frac{1}{4}$ " wide.

The floor plate is 3" square.

Price includes screws for attaching.

$\frac{5}{8}$ " x 18", price each.....	\$ .90
$\frac{5}{8}$ " x 24", price each.....	1.10
$\frac{3}{4}$ " x 24", price each.....	1.30



No. 212  
Cremone Bolt  
When ordering  
give height  
of door

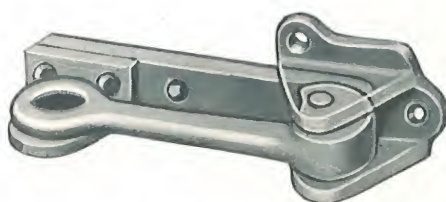
**No. 212 Cremone bolt.** A rigid and substantial fastening at the top and bottom of the doors.

A quarter turn of the handle locks or unlocks the doors, by throwing the top and bottom bolts. The rod is  $\frac{5}{16}$ " diameter and is furnished for doors up to 8 ft. high.

For doors over 8 ft. high an additional charge is made of 75c per ft.

**Always give height of door.**

Price each, including screws..... \$5.50



No. 213 Door Binder

**No. 213 Door Binder**—For swing doors.

Made of heavy iron castings and machine steel.

The action is the same as the No. 195 Door Binder, but binds the doors together at one place only.

The handle is made so that a padlock may be used which makes this a lock as well as a binder.

Price each, including bolts..... \$2.00

## Garage Door Hardware

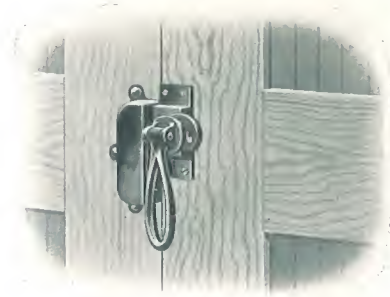
### "DRAWTITE" DOOR BOLT



No. 27  
"Drawtite" Bolt with Flush Strike  
As used to lock door against a  
brick jamb



No. 27  
"Drawtite" Bolt with Flush Strike  
As used to lock two parallel doors  
together where they lap



No. 28  
"Drawtite" Bolt with Surface Strike  
As applied to a pair of sliding doors

Designed for easy application to ends of single, double or parallel doors, the "Drawtite" Door Bolt draws the doors tight together or against the building, making a weatherproof joint.

An ordinary padlock may be locked into the hole shown in draw plate. This will insure protection against theft or trespassing and will prevent the operation of the bolt.

Bolt cannot be removed when locked, as it is securely held by covered screw that is inaccessible when bolt is locked.

Packed, one in a box.

No. 27 "Drawtite" Bolt, flush strike, weight 2 lbs..... Each **\$1.30**

No. 28 "Drawtite" Bolt, surface strike, weight  $2\frac{1}{4}$  lbs..... Each **1.30**

### HINGES



Showing full surface  
4" x 2 1/2"  
Made in three styles  
Full surface  
3/4" Offset  
1 1/2" Offset



Showing 3/4" Offset  
5" x 3 1/2"  
Made in three styles  
Full surface  
3/4" Offset  
1 1/2" Offset



Showing 1 1/2" Offset  
4" x 12"  
Made in three styles  
Full surface  
3/4" Offset  
1 1/2" Offset

3/4" offset makes the doors stand with 1 1/2" between doors when folded together.

1 1/2" offset makes the doors stand with 3" between doors when folded together.

No. 50 Hinge 4 x 2 1/2 Full surface..... Per Pair **\$ .80**

No. 50 Hinge 5 x 3 1/2 Full surface..... Per Pair **1.40**

No. 50 Hinge 4 x 12 Full surface..... Per Pair **2.20**

No. 51 Hinge 4 x 2 1/2 1 1/2" offset..... Per Pair **1.00**

No. 51 Hinge 5 x 3 1/2 1 1/2" offset..... Per Pair **1.60**

No. 51 Hinge 4 x 12 1 1/2" offset..... Per Pair **3.00**

No. 52 Hinge 4 x 2 1/2 3/4" offset..... Per Pair **.90**

No. 52 Hinge 5 x 3 1/2 3/4" offset..... Per Pair **1.50**

No. 52 Hinge 4 x 12 3/4" offset..... Per Pair **2.60**

4" x 2 1/2" Hinges are made of No. 12 gauge sheet steel and are furnished with 1/4" x 2 3/4" carriage bolts.

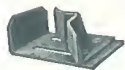
5" x 3 1/2" Hinges are made of No. 12 gauge sheet steel and are furnished with 5/16" x 2 3/4" carriage bolts.

4" x 12" Hinges are made of No. 10 gauge sheet steel and are furnished with 5/16" x 2 3/4" carriage bolts.

Packed 1 pair in a box.

# Garage and Warehouse Door Hardware

## GUIDES, BINDERS AND STOPS



191 Floor Stop

No. 191 Floor Stop, made of heavy sheet steel and malleable iron. Adjustable for doors  $1\frac{3}{4}$ " to  $3\frac{1}{2}$ " thick. Flat head wood screws are furnished for attaching to floor.

Price each.....\$ .80



192 Floor Guide

No. 192 Floor Guide, made of heavy sheet steel. Adjustable for doors  $1\frac{3}{4}$ " to  $3\frac{1}{2}$ " thick. Flat head wood screws are furnished for attaching to floor.

Price each.....\$1.60

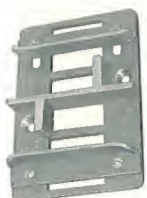


193 Floor Stop

No. 193 Floor Stop, made of cast iron and heavy sheet steel. Adjustable for doors  $1\frac{1}{2}$ " to  $2\frac{3}{4}$ " thick.

Flat head wood screws are furnished for attaching to floor.

Price each.....\$ .70



194 Floor Stop

No. 194 Floor Stop, made of cast iron and heavy sheet steel. Adjustable for doors  $1\frac{1}{2}$ " to  $2\frac{3}{4}$ " thick.

Lag screws are furnished for attaching to floor.

Price each.....\$1.20



195 Floor Guide

No. 195 Floor Guide, made of heavy sheet steel. Adjustable for doors  $1\frac{3}{4}$ " to  $3\frac{3}{4}$ " thick. Flat head wood screws are furnished for attaching to floor.

Price each.....\$1.00



196 Floor Guide

No. 196 Floor Guide, made of heavy sheet steel. Adjustable for doors  $1\frac{3}{4}$ " to  $3\frac{3}{4}$ " thick. Flat head wood screws are furnished for attaching to floor.

Price each.....\$2.00



197 Floor Guide

No. 197 Floor Guide, made of steel throughout. Flat head wood screws are furnished for attaching to floor.

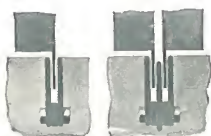
Price each.....\$ .65



F13 Floor Stop

No. F-13 Floor Stop, made of cast iron. Lag screws are furnished for attaching to floor.

Price each.....\$ .65



202 Floor Guide 203 Floor Guide  
No. 202 Door Guide  
attached to Doors

No. 202 Floor Guide, made of steel throughout, for anchoring in concrete. For single run of track.

Price per foot.....\$1.30

No. 203 Floor Guide same as No. 202 except is for double run of track.

Price per foot.....\$1.95

No. 202 Door Guide for attaching to bottom of doors, made of steel throughout. Give width of doors.

Price per foot, including screws.....\$ .65

GUIDES, BINDERS AND STOPS—*Concluded*

No. 20 Wall Binder

No. 20 Wall Binder, made of heavy steel throughout. **Always give thickness of doors.**

Price each, including  $\frac{3}{8}$ " x 2" lag.....\$ .50



No. F11 Wall Binder

No. F-11 Wall Binder, made of heavy steel throughout. **Always give thickness of doors.**

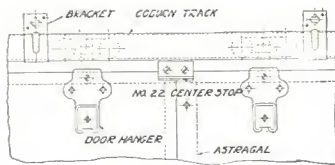
Price each, including  $\frac{5}{8}$ " x  $2\frac{1}{2}$ " lags.....\$ .65



No. 21 Back Stop

No. 21 Back Stop, made of heavy steel throughout for stopping door at a fixed point when opening. Fastens to wall.

Price each, including  $\frac{3}{8}$ " x 2" lag.....\$ .40



No. 22 Center Stop and Astragal

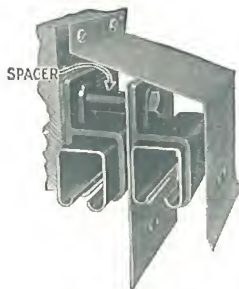
No. 22 Center Stop for pairs of doors running on a single run of track. Made of heavy angle iron.

Price each, including screws.....\$ .40

Astragal for meeting stiles of pairs of doors made of heavy steel. Length should be  $\frac{1}{2}$ " less than the height of the opening.

Price per foot, including screws.....\$ .35

## Storm Shields and Hoods



Shield and Hood

Wherever doors are hung exposed to the weather, hoods should be used. These are furnished for Single, Double or Triple runs of Track either with or without Storm Shields.

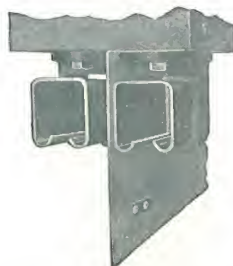
Made of heavy galvanized iron.

Storm shields tend to make the opening windproof and are furnished for wall or parallel ear brackets as shown in cuts to the left.

Made of heavy black iron.

When used with wall brackets as shown 2 single wall brackets and a spacer should be spaced not over 4 to 5 feet on centers. **Always give spacing of brackets.**

Price per foot including splice plates, rivets, screws and spacers.



Shield and Parallel Ear Brackets

Track	Hood Used With				Shield Used With	
	Single Wall Brackets	Double Wall Brackets	Triple Wall Brackets	2 Wall Bracket and Shield	Wall Brackets	Parallel Ear Bracket
1	\$ .20	\$ .34	\$ .40	\$ .52	\$ .20	\$ .26
2	.26	.40	.46	.65	.26	.34
4	.40	.52	.60	.90	.40	.46
6	.34	.46	.52	.80	.34	.40

Brackets not included in above prices.

# Garage Door Hardware

## HINGES



No. 40 Hinge

### No. 40—Hinge for heavy doors.

Carried in stock in four lengths 18, 24, 30, 36 inches.

Pintles are made of heavy steel forgings  $1\frac{1}{4}$ " wide with a loose pin  $\frac{1}{2}$ " diameter which is fastened to the jamb or wall with  $\frac{1}{2}$ " thru bolts or lags.

The leaves are made of  $\frac{1}{4}$ " x  $2\frac{1}{2}$ " steel forging for the 18" and 24" hinges and  $\frac{5}{16}$ " x  $2\frac{1}{2}$ " steel forging for the 30 and 36" hinges.

A suitable plate made of steel goes over the leaf and clamps the leaf to the door. This allows the pintle to be set back from the edge of the opening and the first supporting bolts for the leaf placed near the edge of the hanging stile.

### PRICE LIST

Hinge No.	Price per Pair	Wt. per Pr. lbs.
No. 40-18".....	\$3.10	5
No. 40-24".....	3.40	6
No. 40-30".....	3.90	$8\frac{1}{2}$
No. 40-36".....	4.40	$9\frac{3}{4}$

Price includes  $\frac{1}{2}$ " x  $2\frac{1}{2}$ " lags for fastening pintles and  $\frac{3}{8}$ " x  $3\frac{1}{4}$ " Carriage Bolts for fastening the leaves to the door.



No. 41 Hinge

### No. 41—Hinge for heavy doors.

Carried in stock in four lengths 18, 24, 30, 36 inches.

Has heavy steel pintle with suitable steel pintle plate 2" wide which clamps the pintle to the wall or jamb and is fastened with  $\frac{1}{2}$ " thru bolts or lags.

The use of the pintle plate spreads the fastenings so there is little liability of their breaking out.

Has loose pin  $\frac{1}{2}$ " in diameter.

Hinge leaves are made of steel forging  $\frac{1}{4}$ " x  $2\frac{1}{2}$ " for the 18 and 24 inch hinges and  $\frac{5}{16}$ " x  $2\frac{1}{2}$ " for the 30 and 36" hinges.

A suitable Stay Plate made of steel goes over the leaf and clamps the leaf to the door. This allows the pintle to be set back from the edge of the opening and the first supporting bolts for the leaf placed near the edge of the hanging stile.

### PRICE LIST

Hinge No.	Price per Pair	Wt. per Pr. lbs.
No. 41-18".....	\$3.40	6
No. 41-24".....	3.60	7
No. 41-30".....	4.10	$9\frac{1}{4}$
No. 41-36".....	4.60	$10\frac{3}{4}$

Price includes  $\frac{1}{2}$ " x  $2\frac{1}{2}$ " lags for fastening pintles and  $\frac{3}{8}$ " x  $3\frac{1}{4}$ " carriage bolts for fastening the leaves to the door.



No. 42 Hinge

### No. 42—Hinge for heavy doors.

Carried in stock in four lengths 18, 24, 30, 36 inches.

Has reverse pintle made of  $\frac{1}{4}$ " x 6" steel which has holes countersunk for five No. 18 flat head wood screws and is mortised into the jamb, the same as a pair of butts, and extends back  $1\frac{3}{4}$ " into the rebate.

Has loose pin  $\frac{1}{2}$ " in diameter.

Bronze washers are placed on each side of the leaf to take the wear.

Hinge leaves are made of steel forging  $\frac{1}{4}$ " x  $2\frac{1}{2}$ " for the 18 and 24" leaves and  $\frac{5}{16}$ " x  $2\frac{1}{2}$ " for the 30 and 36" leaves.

### PRICE LIST

Hinge No.	Price per Pair	Wt. per Pr. lbs.
No. 42-18".....	\$3.20	$5\frac{1}{2}$
No. 42-24".....	3.40	$6\frac{1}{2}$
No. 42-30".....	3.90	8
No. 42-36".....	4.40	9

Price includes No. 18 x  $1\frac{3}{4}$ " flat head wood screws for attaching pintles in rebate and  $\frac{3}{8}$ " x  $3\frac{1}{4}$ " carriage bolts for fastening the leaves to the door.



Tight Pin Butt

Style "H" Tight Pin Butts.

Bright Steel.

Price list including screws.

Size	4" x 4"	$4\frac{1}{2}$ " x $4\frac{1}{2}$ "	5" x 5"
Price per Pair.....	\$ .65	\$ .80	\$1.30

## HINGES



No. 43 Hinge

Hinge No.	Price per Pair	Wt. per Pr. lbs.
No. 43-18".....	\$3.64	5½
No. 43-24".....	3.90	6½
No. 43-30".....	4.42	8
No. 43-36".....	4.94	9



No. 44 Hinge

Hinge No.	Price per Pair	Wt. per Pr. lbs.
No. 44-18".....	\$5.20	5½
No. 44-24".....	5.46	6½
No. 44-30".....	5.98	8
No. 44-36".....	6.50	9

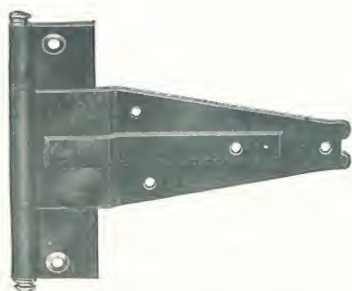


No. 45 Hinge

Hinge No.	Price per Pair	Wt. per Pr. lbs.
No. 45-18".....	\$1.82	3
No. 45-24".....	1.95	3¾
No. 45-30".....	2.21	4½
No. 45-36".....	2.47	5¼



No. 54 Full Surface Hinge



No. 70 Full Surface Hinge

## No. 43—Hinge for heavy doors.

Can be used as a **surface hinge** or **pintle** can be mortised into a rebate 1¾" deep.

Carried in stock in four lengths, 18, 24, 30, 36 inches.

Pintles are made of heavy steel forgings 2¼" wide and 6" long with a loose pin ½" diameter and are counter sunk for five No. 18 flat head screws.

Bronze washers are placed on each side of the leaf to take the wear and can be easily replaced when worn.

Hinge leaves are made of steel forging ¼" x 2½" for 18" and 24" leaves and ⅝" x 2½" for the 30" and 36" leaves.

Price includes No. 18 x 1¾" flat head screws for fastening pintles and ⅝" x 3¼" carriage bolts for fastening leaves to the door.

## No. 44—Ball bearing hinge for heavy doors.

Can be used as a **surface hinge** or **pintle** can be mortised into a rebate 1¾" deep.

Carried in stock in four lengths 18, 24, 30, 36 inches.

Pintles are made of heavy steel forgings 2¼" wide and 6" long machined to take ball bearings, with a loose pin ½" diameter, and are counter sunk for five No. 18 flat head screws.

Bearings are easily replaced when worn out.

Hinge leaves are made of steel forging ¼" x 2½" for the 18" and 24" leaves and ⅝" x 2½" for the 30" and 36" leaves.

A suitable Stay Plate made of steel goes over the leaf and clamps the leaf to the door. This allows the pintle to be set back from the edge of the opening and the first supporting bolts placed close to the edge of the door.

Price includes No. 18 x 1¾" flat head wood screws for fastening pintles and ⅝" x 3¼" carriage bolts for fastening leaves to the door.

## No. 45—Hinge for heavy doors or gates.

Carried in stock in four lengths 18, 24, 30, 36 inches.

Pintles are made of heavy steel forgings 1½" wide and 5¼" long with a fixed pin ¾" diameter. Holes for ⅝" lags.

Leaves are made of ¼" x 1¾" steel forgings and the eye is wrapped so that the first bolt binds the eye together.

Price includes ⅝" x 1½" lags for fastening the pintles and one ½" x 3½" carriage bolt and the balance of the bolts necessary for attaching the leaves to the door ⅝" x 3¼".

No. 54—Full Surface Hinge. *Tight pin.*

Made in one size only.

The distance from the center of the pin to the edge of the Short Leaf is 3¾" and the Long Leaf extends 4½" beyond onto the face of the door. This allows two doors 1¾" thick to swing clear of the opening when standing at 90° to same.

Made of steel 4" wide x No. 10 Gauge only.

Price includes No. 18 x 1¾" flat head wood screws for attaching pintle and ⅝" x 2¼" carriage bolts for fastening leaf to door.

Price per pair.....\$1.43  
Weight per pair.....4 lbs.

No. 70—Full Surface Hinge. *Tight pin.*

Made in one size only.

Has reverse pintle which eliminates the necessity of mortising the pintle and makes the Hinge easier to apply.

Distance from the center of the pin to the edge of the pintle 2" and is 8" long.

The leaf is 4" wide and extends 8" beyond the pintle.

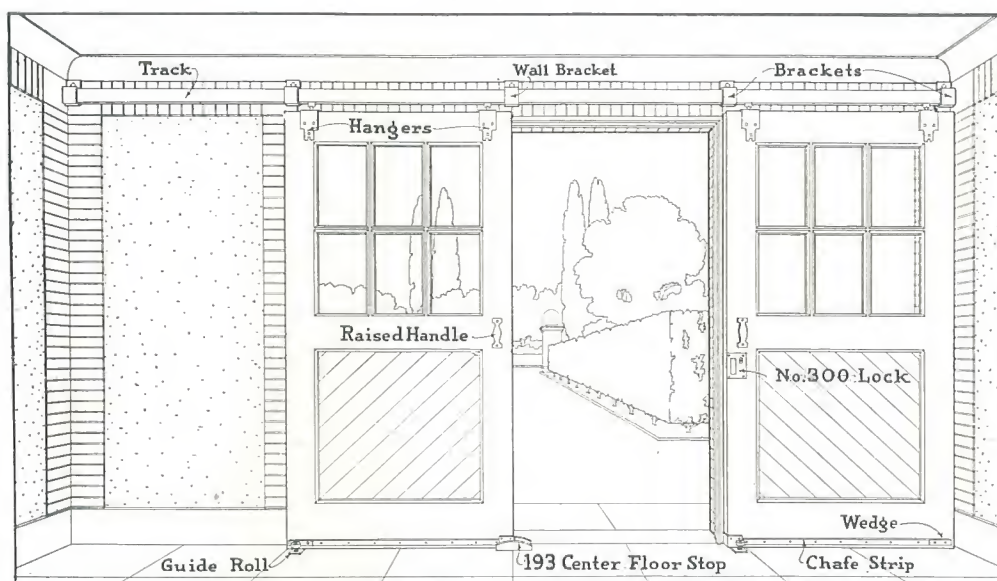
Made of No. 10 Gauge Steel.

Price includes No. 18 x 1¾" flat head wood screws for attaching pintle and ⅝" x 3¼" carriage bolts for fastening leaf to door.

Price per pair.....\$1.43  
Weight per pair.....5 lbs.

## Plan No. 1

A pair of doors sliding in opposite directions. One single run of track required.  
Full width of opening available.  
This plan is suitable for any width of opening.



ELEVATION



Plan No. 1

We recommend using No. 137 Style Door Hanger altho any other style except No's. 444-445-185-388-394-395-396-497-700 may be used as best suits your requirements. See pages 5 to 24 inclusive.

NO. 1 TRACK used on doors  $1\frac{1}{4}$ " to  $1\frac{3}{4}$ " thick weighing not over 400 lbs. each.

NO. 2 TRACK used on doors  $1\frac{3}{4}$ " to  $2\frac{1}{2}$ " thick weighing not over 600 lbs. each.

NO. 4 TRACK used on doors 2" to  $3\frac{1}{4}$ " thick weighing not over 1000 lbs. each.

NO. 6 TRACK used on doors 2" to  $3\frac{1}{4}$ " thick weighing not over 800 lbs. each.

### COMPOSITION AND UNIT PRICES OF COMPLETE SETS, PLAN No. 1

	No. 1 Track		No. 2 Track		No. 4 Track		No. 6 Track	
	Number Required	Unit Price	Number Required	Unit Price	Number Required	Unit Price	Number Required	Unit Price
Track (Length equal to twice the width of the opening)		\$26 ft.		\$40 ft.		\$65 ft.		\$50 ft.
*Brackets (Spaced not over 4'-0" on centers)	{ Single Wall { Cast Iron		{ Single Wall { Cast Iron		{ Single Wall { Cast Iron		{ Single Wall { Cast Iron	
	{ End { Forged Steel		{ End { Forged Steel		{ End { Forged Steel		{ End { Forged Steel	
	{ Single Wall { Cast Iron		{ Single Wall { Cast Iron		{ Single Wall { Cast Iron		{ Single Wall { Cast Iron	
	{ Center { Forged Steel		{ Center { Forged Steel		{ Center { Forged Steel		{ Center { Forged Steel	
† Door Hanger (as selected)	2 pr.		2 pr.		2 pr.		2 pr.	
Raised Handle (Light)	2	.14 ea.	2	.14 ea.	2	.14 ea.	2	.14 ea.
Flush Handle (Light)	2	.14 ea.	2	.14 ea.	2	.14 ea.	2	.14 ea.
No. 193 Floor Stop	1	.70 ea.	1	.70 ea.	1	.70 ea.	1	.70 ea.
No. 189 Guide Roll	2	.50 ea.	2	.50 ea.	2	.50 ea.	2	.50 ea.
Bumper Shoes	2 pr.	.26 pr.	2 pr.	.26 pr.	2 pr.	.26 pr.	2 pr.	.26 pr.
Wedge (Light)	2	.13 ea.	2	.13 ea.	2	.13 ea.	2	.13 ea.
Chafe Strip (Length equal to the width of the door minus 8")	2	.12 ft.	2	.12 ft.	2	.12 ft.	2	.12 ft.
No. 300 Lock (Optional)	1	5.00 ea.	1	5.00 ea.	1	5.00 ea.	1	5.00 ea.

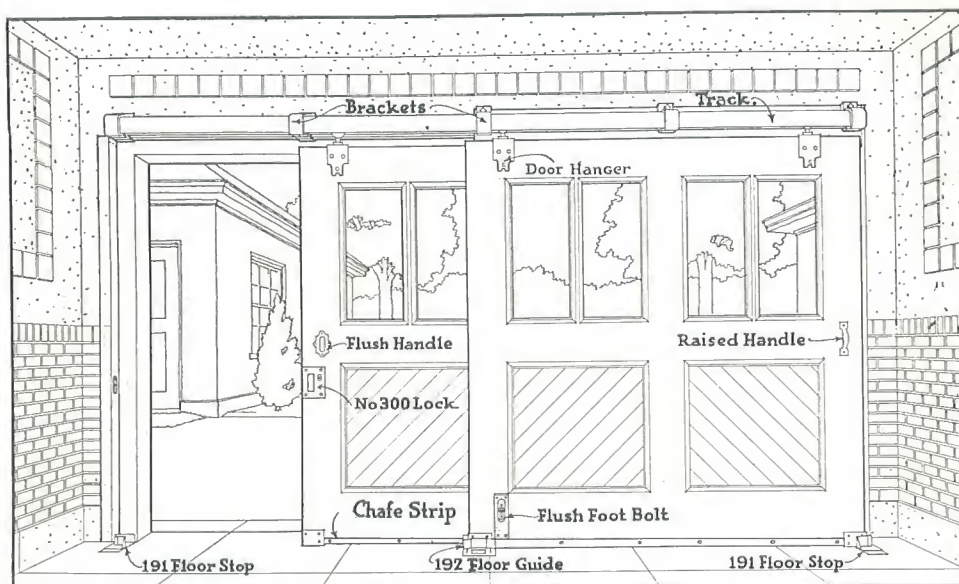
All Bolts and Screws are included in the above prices.

\*Cast Iron Brackets are recommended but Forged Steel Brackets may be substituted.

† Doors 10'-0" wide and over up to 15'-0" should have a pair and a half of Door Hangers to a door to keep same from sagging and hold them in line with the track.

# Plan No. 2

A pair of doors sliding in either direction. A double run of track required.  
One-half the opening available.  
This plan is suitable for any width of opening.



ELEVATION



Plan No. 2

We recommend using No. 137 Style Door Hanger altho any other style except No's. 120-121-135-138-444-445-185-388-190-394-395-396-495-700 may be used as best suits your requirements. See pages 5 to 24 inclusive.

NO. 1 TRACK used on doors  $1\frac{1}{4}$ " to  $1\frac{3}{4}$ " thick weighing not over 400 lbs. each.  
NO. 2 TRACK used on doors  $1\frac{3}{4}$ " to  $2\frac{1}{2}$ " thick weighing not over 600 lbs. each.  
NO. 4 TRACK used on doors 2" to  $3\frac{1}{4}$ " thick weighing not over 1000 lbs. each.  
NO. 6 TRACK used on doors 2" to  $3\frac{1}{4}$ " thick weighing not over 800 lbs. each.

## COMPOSITION AND UNIT PRICES OF COMPLETE SETS, PLAN No. 2

	No. 1 Track		No. 2 Track		No. 4 Track		No. 6 Track	
	Number Required	Unit Price	Number Required	Unit Price	Number Required	Unit Price	Number Required	Unit Price
Track (Length of each run equal to the width of the opening)	2 Runs	\$ .26 ft.	2 Runs	\$ .40 ft.	2 Runs	\$ .65 ft.	2 Runs	\$ .50 ft.
* Brackets (Spaced not over 4'-0" on centers)	1 pr.	.70 ea.	1 pr.	1.20 ea.	1 pr.	2.40 ea.	1 pr.	2.20 ea.
	1 pr.	.65 ea.	1 pr.	.90 ea.	1 pr.	1.60 ea.	1 pr.	1.30 ea.
		.70 ea.		1.20 ea.		2.40 ea.		2.20 ea.
		.65 ea.		.90 ea.		1.60 ea.		1.30 ea.
† Door Hangers (as selected)	2 pr.		2 pr.		2 pr.		2 pr.	
Raised Handle (Light)	1	.14 ea.	1	.14 ea.	1	.14 ea.	1	.14 ea.
Flush Handle (Light)	2	.14 ea.	2	.14 ea.	2	.14 ea.	2	.14 ea.
No. 191 Floor Stop	2	.80 ea.	2	.80 ea.	2	.80 ea.	2	.80 ea.
No. 192 Floor Guide	1	1.60 ea.	1	1.60 ea.	1	1.60 ea.	1	1.60 ea.
Bumper Shoes	4 pr.	.26 pr.	4 pr.	.26 pr.	4 pr.	.26 pr.	4 pr.	.26 pr.
Flush Foot Bolt	1	1.60 ea.	1	1.60 ea.	1	1.60 ea.	1	1.60 ea.
Chafe Strip (Length of each equal to the width of the door minus 7")	4	.12 ft.	4	.12 ft.	4	.12 ft.	4	.12 ft.
No. 300 Lock (Optional)	1	5.00 ea.	1	5.00 ea.	1	5.00 ea.	1	5.00 ea.
‡ Storm Shield (Length equal to the length of the track)	1	.20 ft.	1	.26 ft.	1	.40 ft.	1	.34 ft.
‡ Pair of Single Wall Brackets with Spacer (Spaced not over 4'-0" on centers)		.80 ea.		1.20 ea.		3.50 ea.		3.00 ea.
		.70 ea.		1.00 ea.		3.00 ea.		2.60 ea.

All Bolts and Screws are included in the above prices.

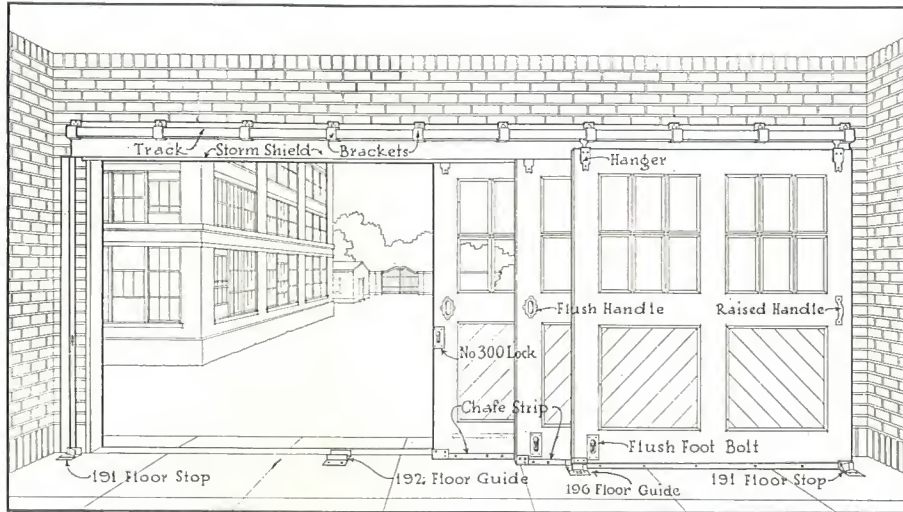
\* Cast Iron Brackets are recommended but Forged Steel Brackets may be substituted.

† Doors 10'-0" wide and over up to 15'-0" should have a pair and a half of Door Hangers to a door to keep same from sagging and hold it in line with the track.

‡ When Storm Shield is used, omit Double Wall Brackets and substitute a pair Single Wall Brackets with one Spacer for each Double Wall Bracket, spaced not over 4'-0" on centers.

## Plan No. 3

Three doors sliding in either direction. A triple run of track required.  
Two-thirds the opening available.  
This plan is suitable for any width of opening.



ELEVATION



Plan No. 3

We recommend using No. 137 Style Door Hanger altho any other style except No's. 120-121-135-138-444-445-185-388-190-394-395-396-495-700 may be used as best suits your requirements. See pages 5 to 24 inclusive.

NO. 1 TRACK used on doors  $1\frac{1}{4}$ " to  $1\frac{3}{4}$ " thick weighing not over 400 lbs. each.  
NO. 2 TRACK used on doors  $1\frac{3}{4}$ " to  $2\frac{1}{2}$ " thick weighing not over 600 lbs. each.  
NO. 4 TRACK used on doors 2" to  $3\frac{1}{4}$ " thick weighing not over 1000 lbs. each.  
NO. 6 TRACK used on doors 2" to  $3\frac{1}{4}$ " thick weighing not over 800 lbs. each.

### COMPOSITION AND UNIT PRICES OF COMPLETE SETS, PLAN No. 3

	No. 1 Track		No. 2 Track		No. 4 Track		No. 6 Track	
	Number Required	Unit Price	Number Required	Unit Price	Number Required	Unit Price	Number Required	Unit Price
Track (Length of each run equal to the width of the opening)	3 Runs	\$2.26 ft.	3 Runs	\$2.40 ft.	3 Runs	\$2.65 ft.	3 Runs	\$2.50 ft.
*Brackets (Spaced not over 4'-0" on centers)	1 pr.	1.10 ea.	1 pr.	1.60 ea.	1 pr.	3.00 ea.	1 pr.	2.75 ea.
	1 pr.	1.50 ea.	1 pr.	2.00 ea.	1 pr.	3.00 ea.	1 pr.	2.50 ea.
	1 pr.	1.10 ea.	1 pr.	1.60 ea.	1 pr.	3.00 ea.	1 pr.	2.75 ea.
	1 pr.	1.50 ea.	1 pr.	2.00 ea.	1 pr.	3.00 ea.	1 pr.	2.50 ea.
† Door Hangers (as selected)	3 pr.		3 pr.		3 pr.		3 pr.	
Raised Handle (Light)	1	.14 ea.	1	.14 ea.	1	.14 ea.	1	.14 ea.
Flush Handle (Light)	3	.14 ea.	3	.14 ea.	3	.14 ea.	3	.14 ea.
No. 191 Floor Stop	2	.80 ea.	2	.80 ea.	2	.80 ea.	2	.80 ea.
No. 192 Floor Guide	1	1.60 ea.	1	1.60 ea.	1	1.60 ea.	1	1.60 ea.
No. 196 Floor Guide	1	2.00 ea.	1	2.00 ea.	1	2.00 ea.	1	2.00 ea.
Bumper Shoes	6 pr.	.26 pr.	6 pr.	.26 pr.	6 pr.	.26 pr.	6 pr.	.26 pr.
Flush Foot Bolt	2	1.60 ea.	2	1.60 ea.	2	1.60 ea.	2	1.60 ea.
Chafe Strip (Length of each equal to the width of the door minus 7")	6	.12 ft.	6	.12 ft.	6	.12 ft.	6	.12 ft.
No. 300 Lock (Optional)	1	5.00 ea.	1	5.00 ea.	1	5.00 ea.	1	5.00 ea.
‡ Storm Shield (Length of each equal to the width of the opening)	2 Runs	.20 ft.	2 Runs	.26 ft.	2	.40 ft.	2	.34 ft.
‡ Three Single Wall Brackets with Two Spacers (Spaced not over 4'-0" on centers)		.80 ea.		1.20 ea.		3.50 ea.		3.00 ea.
		.70 ea.		1.00 ea.		3.00 ea.		2.60 ea.

All Bolts and Screws are included in the above prices.

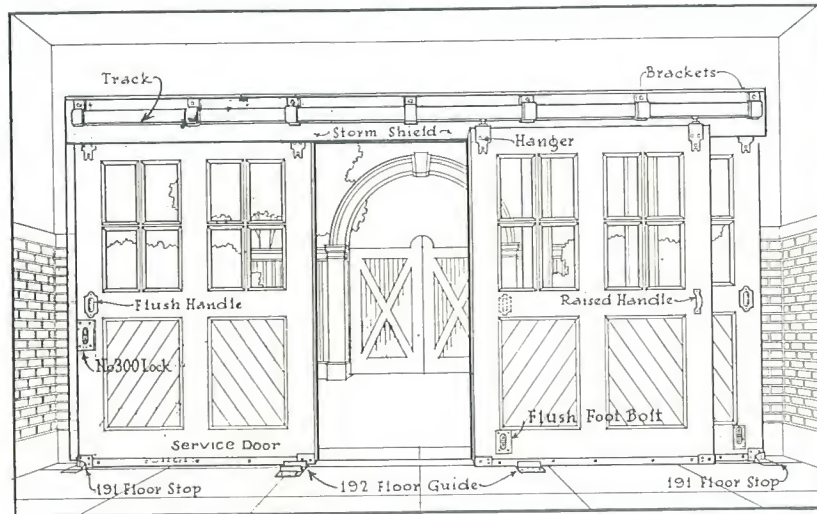
\* Cast Iron Brackets are recommended but Forged Steel Brackets may be substituted.

† Doors 10'-0" wide and over up to 15'-0" should have a pair and a half of Door Hangers to a door to keep same from sagging and hold it in line with the track.

‡ When Storm Shield is used omit Triple Wall Brackets and substitute Three Single Wall Brackets with Two Spacers for each Triple Wall Bracket. Spaced not over 4'-0" on centers.

# Plan No. 4

Three doors, the center door sliding in either direction. A double run of track required. One-third the opening available.  
Suitable for any width of opening.



ELEVATION



Plan No. 4

We recommend using No. 137 Style Door Hanger altho any other style except No's. 120-121-135-138-444-445-185-388-190-394-395-495-700 may be used as best suits your requirements. See pages 5 to 24 inclusive.

NO. 1 TRACK used on doors  $1\frac{1}{4}$ " to  $1\frac{3}{4}$ " thick weighing not over 400 lbs. each.  
NO. 2 TRACK used on doors  $1\frac{3}{4}$ " to  $2\frac{1}{4}$ " thick weighing not over 600 lbs. each.  
NO. 4 TRACK used on doors  $2$ " to  $3\frac{1}{4}$ " thick weighing not over 1000 lbs. each.  
NO. 6 TRACK used on doors  $2$ " to  $3\frac{1}{4}$ " thick weighing not over 800 lbs. each.

## COMPOSITION AND UNIT PRICES OF COMPLETE SETS, PLAN No. 4

	No. 1 Track		No. 2 Track		No. 4 Track		No. 6 Track	
	Number Required	Unit Price	Number Required	Unit Price	Number Required	Unit Price	Number Required	Unit Price
Track (Length of each run equal to the width of the opening)	2 Runs	\$26 ft.	2 Runs	\$40 ft.	2 Runs	\$65 ft.	2 Runs	\$50 ft.
*Brackets (Spaced not over 4'-0" on centers)	1 pr.	.70 ea.	1 pr.	1.20 ea.	1 pr.	2.40 ea.	1 pr.	2.20 ea.
	1 pr.	.65 ea.	1 pr.	.90 ea.	1 pr.	1.60 ea.	1 pr.	1.30 ea.
	1 pr.	.70 ea.	1 pr.	1.20 ea.	1 pr.	2.40 ea.	1 pr.	2.20 ea.
†Door Hangers (as selected)	3 pr.	.65 ea.	3 pr.	.90 ea.	3 pr.	1.60 ea.	3 pr.	1.30 ea.
Raised Handle (Light)	1	.14 ea.	1	.14 ea.	1	.14 ea.	1	.14 ea.
Flush Handle (Light)	3	.14 ea.	3	.14 ea.	3	.14 ea.	3	.14 ea.
No. 191 Floor Stop	2	.80 ea.	2	.80 ea.	2	.80 ea.	2	.80 ea.
No. 192 Floor Guide	2	1.60 ea.	2	1.60 ea.	2	1.60 ea.	2	1.60 ea.
Bumper Shoes	6 pr.	.26 pr.	6 pr.	.26 pr.	6 pr.	.26 pr.	6 pr.	.26 pr.
Flush Foot Bolt	1	1.60 ea.	1	1.60 ea.	1	1.60 ea.	1	1.60 ea.
Chafe Strip (Length of each equal to the width of the door minus 7")	6	.12 ft.	6	.12 ft.	6	.12 ft.	6	.12 ft.
No. 300 Lock (Optional)	1	5.00 ea.	1	5.00 ea.	1	5.00 ea.	1	5.00 ea.
‡ Storm Shield (Length equal to the width of the opening)	1 Run	.20 ft.	1 Run	.26 ft.	1 Run	.40 ft.	1 Run	.34 ft.
‡ Two Single Wall Brackets with One Spacer (Spaced not over 4'-0" on centers)		Cast Iron		Cast Iron		Cast Iron		Cast Iron
		Forged Steel		Forged Steel		Forged Steel		Forged Steel
		.80 ea.		1.20 ea.		3.50 ea.		3.00 ea.
		.70 ea.		1.00 ea.		3.00 ea.		2.60 ea.

All Bolts and Screws are included in the above prices.

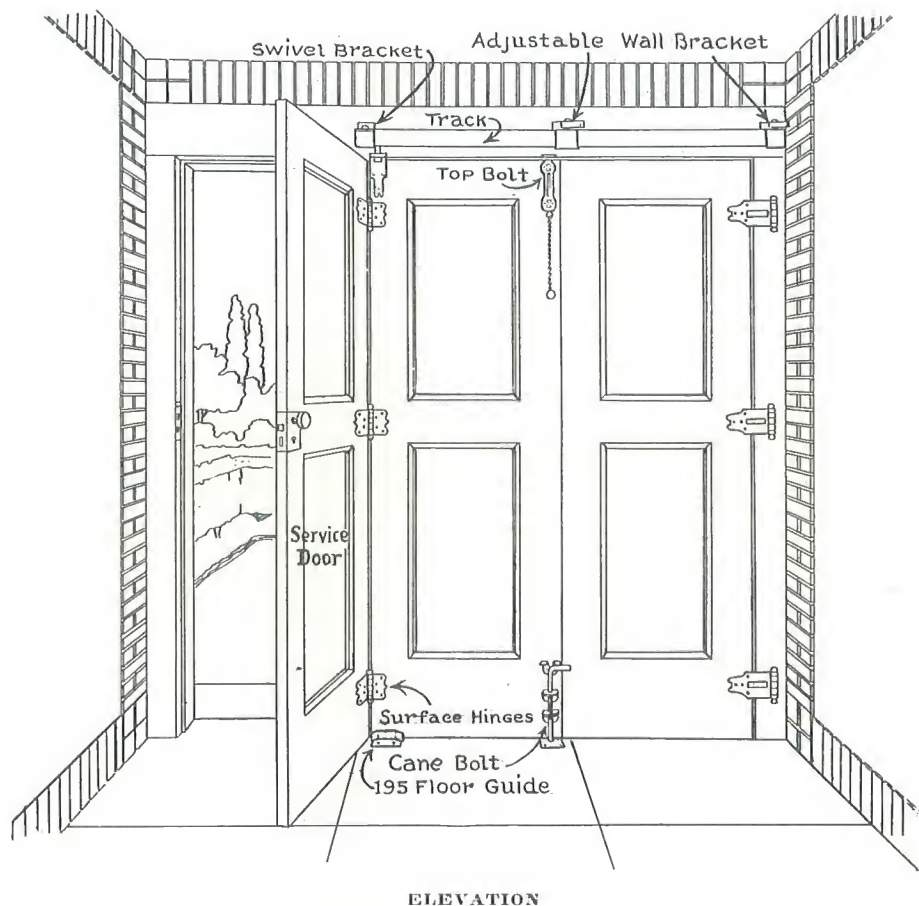
\* Cast Iron Brackets are recommended but Forged Steel Brackets may be substituted.

† Doors 10'-0" wide and over up to 15'-0" should have a pair and a half of Door Hangers to a door to keep same from sagging and hold it in line with the track.

‡ When Storm Shield is used omit Double Wall Brackets and substitute two Single Wall Brackets with One Spacer for each Double Wall Bracket. Spaced not over 4'-0" on centers.

## Plan No. 6

Three doors used to close an opening not to exceed 9'-0" wide.  
Doors fit into a rebate and swing and slide to either side making a tight weather-proof job when closed.



ELEVATION



Plan No. 6-A



Plan No. 6-B

The same hardware is necessary to hang doors as shown in either Plans 6-A and 6-B.

### LIST PRICE OF COMPLETE SETS NO. 444-6

	Price
NO. 1 TRACK For doors not to exceed 3' x 10' x 1 3/4" Weighing not over 125 lbs. each.....	\$13.80*
NO. 2 TRACK For doors not to exceed 3' x 12' x 2 1/4" Weighing not over 200 lbs. each.....	16.00*
NO. 4 TRACK For doors not to exceed 3' x 15' x 3" Weighing not over 400 lbs. each.....	24.00*
NO. 6 TRACK For doors not to exceed 3' x 14' x 2 1/2" Weighing not over 300 lbs. each.....	21.00*

\* If Cremone Bolt is wanted (Give Height of Door) add to above prices..... \$5.50

\* If No. 195 Door Binder is wanted (Give Height of Door) add to above prices..... 4.40

We can furnish Lock-Sets, but suggest the Local Hardware Dealer supply same as we do not manufacture or stock these items.

## COMPOSITION AND UNIT PRICES OF COMPLETE SETS, PLAN No. 6

	No. 1 Track		No. 2 Track		No. 4 Track		No. 6 Track	
	Required	Unit Price	Required	Unit Price	Required	Unit Price	Required	Unit Price
Track per ft. or fraction	7 ft.	\$.26 ft.	7 ft.	\$.40 ft.	7 ft.	\$.65 ft.	7 ft.	\$.50 ft.
Brackets {	Swivel Wall End	1 .40 ea.	1 .60 ea.	1 1.30 ea.	1 2.60 ea.	1 2.10 ea.	1 2.35 ea.	1 4.90 ea.
	Short Adj. Wall Cent'r							
	5" Extension	1 1.05 ea.	1 1.30 ea.	1 2.60 ea.	1 2.10 ea.	1 2.35 ea.	1 4.90 ea.	
	Long Adjustable Wall End 7" Extension	1 1.20 ea.	1 1.50 ea.	1 2.90 ea.	1 2.35 ea.	1 4.90 ea.		
No. 444 Door Hanger	1	2.95 ea.	1 3.60 ea.	1 5.50 ea.	1 5.50 ea.	1 4.90 ea.		
Butts 4 x 4 Tight Pin	1½ pr.	.65 pr.	1½ pr. .65 pr.		3 pr. 1.30 pr.	3 pr. 1.30 pr.		
Butts 5 x 5 Tight Pin								
No. 70-10" Surface Hinge	1½ pr.	1.50 pr.	1½ pr. 1.50 pr.					
No. 50 Surface Hinge 4 x 2½"	1½ pr.	.85 pr.	1½ pr. .85 pr.					
No. 50 Surface Hinge 4 x 12"					1½ pr. 2.20 pr.	1½ pr. 2.20 pr.		
Raised Handle	1	.14 ea.	1 .14 ea.	1 .14 ea.	1 .14 ea.	1 .14 ea.		
6" Spring Top Bolt	1	1.10 ea.	1 1.10 ea.					
8" Spring Top Bolt					1 1.40 ea.	1 1.40 ea.		
5/8-18 Cane Bolt	1	.80 ea.	1 .80 ea.	1 .80 ea.	1 .80 ea.	1 .80 ea.		
No. 195 Floor Guide	1	1.00 ea.	1 1.00 ea.	1 1.00 ea.	1 1.00 ea.	1 1.00 ea.		
Bumper Shoes	1 pr.	.26 pr.	1 pr. .26 pr.	1 pr. .26 pr.	1 pr. .26 pr.	1 pr. .26 pr.		

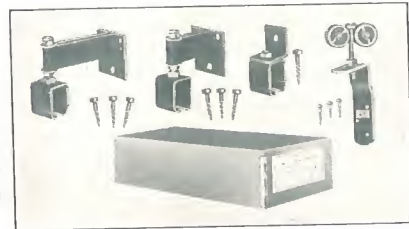
## PARTIAL SETS

Set No. 444-6-F, includes all parts as listed above under Complete Sets except Track, Top Bolts and Cane Bolt.

	Price
NO. 1 TRACK.....	\$11.00
NO. 2 TRACK.....	13.00
NO. 4 TRACK.....	19.00
NO. 6 TRACK.....	17.00

Set No. 444-6-B-D which includes Brackets and Door Hangers only

	Price
NO. 1 TRACK.....	\$5.20
NO. 2 TRACK.....	8.00
NO. 4 TRACK.....	14.00
NO. 6 TRACK.....	11.50



## FOR EXAMPLE :

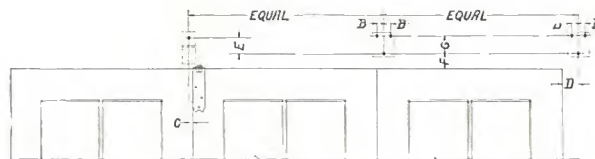
When order states No. 444-6-No. 1 Track we pack everything as listed under complete sets for No. 1 Track.

When order states No. 444-6-B-D-No. 4 Track, we pack Brackets and Door Hangers only for No. 4 Track.

When order states No. 444-6-F-No. 2 Track, we pack everything as listed under complete sets except Track, Top Bolt, and Cane Bolt for No. 2 Track.

The prices include all screws and lags necessary for erecting these sets.

## LOCATION OF BOLTS

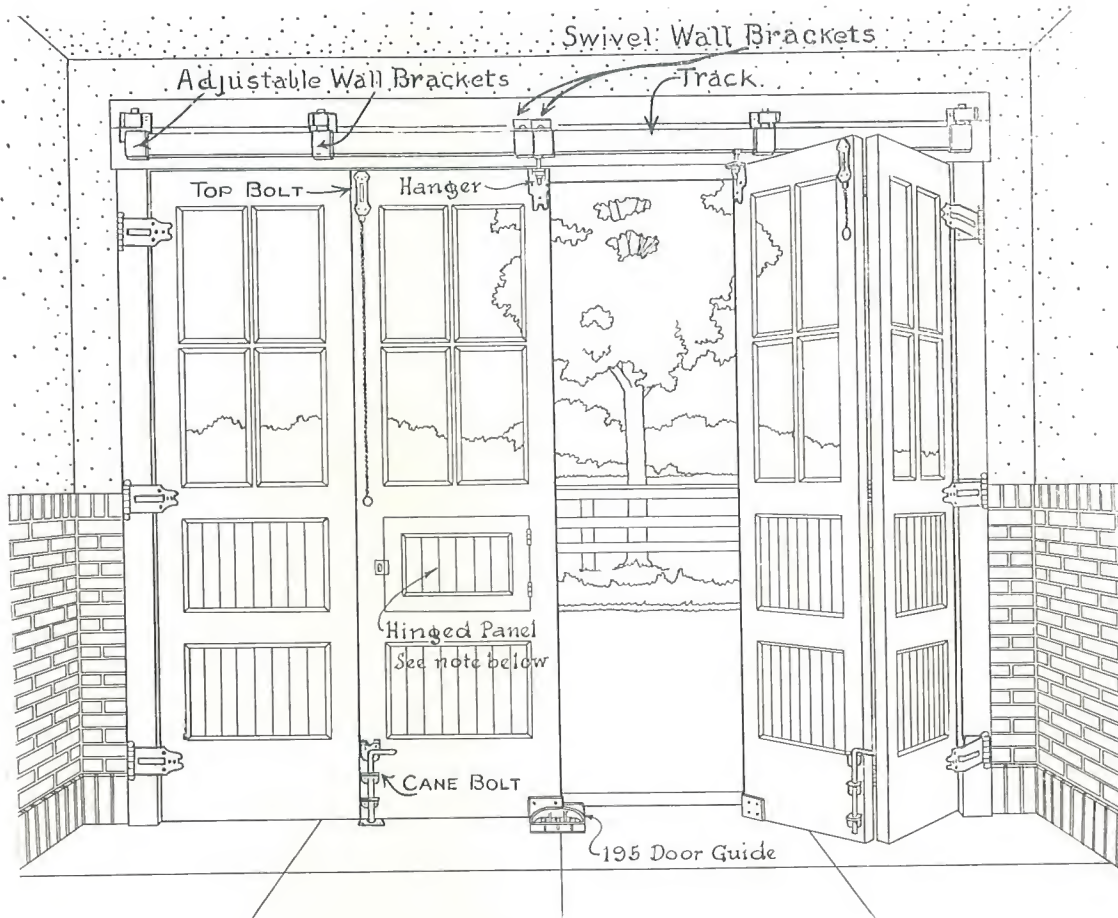


If doors open from the opposite jamb locate bolts on opposite side of the opening, cut track to fit after adjustments are made.

Track No.	Size Door Hanger	Size Bolts	B	C	D	E	F		G
							Max.	Min.	
1	A	½"	1⅛"	1"	7¼"	1¾"	4¼"	3⅛"	2⅞"
2	B	½"	1⅛"	2"	8"	1¾"	5¼"	4⅛"	2⅞"
4	C	⅝"	1½"	1¾"	8⅜"	1½"	6¼"	5"	3"
6	D	⅝"	1½"	1¾"	8¾"	1½"	5⅝"	4⅝"	3"

## Plan No. 7

Four doors used to close an opening not to exceed 12'-0" wide.  
Doors fit into a rebate and swing and slide to the sides making a tight weatherproof job when closed.



ELEVATION



Plan No. 7

NOTE:—Hardware for Hinged Panel not furnished.  
Hinged Panel not necessary if there is a service door in another part of the building.

### LIST PRICE OF COMPLETE SETS NO. 445-7

		Price
NO. 1 TRACK	For doors not to exceed 3' x 10' x 1 3/4" Weighing not over 125 lbs. each.....	\$25.50*
NO. 2 TRACK	For doors not to exceed 3' x 12' x 2 1/4" Weighing not over 200 lbs. each.....	29.00*
NO. 4 TRACK	For doors not to exceed 3' x 15' x 3" Weighing not over 400 lbs. each.....	45.00*
NO. 6 TRACK	For doors not to exceed 3' x 14' x 2 1/2" Weighing not over 300 lbs. each.....	39.00*

\* If Cremone Bolt is wanted (Give Height of Door) add to above prices.....\$5.50

\* If No. 195 Door Binder is wanted (Give Height of Door) add to above prices..... 4.40

## COMPOSITION AND UNIT PRICES OF COMPLETE SETS, PLAN No. 7

	No. 1 Track		No. 2 Track		No. 4 Track		No. 6 Track	
	Required	Unit Price	Required	Unit Price	Required	Unit Price	Required	Unit Price
Track 2 Runs per ft. or fraction	14 ft.	\$.26 ft.	14 ft.	\$.40 ft.	14 ft.	\$.65 ft.	14 ft.	\$.50 ft.
Brackets {	2	.40 ea.	2	.60 ea.	2	1.30 ea.	2	1.10 ea.
	Swivel Wall Center							
	Short Adj. Wall Cent'r							
	5" Extension	2	1.05 ea.	2	1.30 ea.	2	2.60 ea.	2
Long Adjustable Wall								
End 7" Extension	2	1.20 ea.	2	1.50 ea.	2	2.90 ea.	2	2.35 ea.
No. 445 Door Hangers	1 pr.	4.50 pr.	1 pr.	6.00 pr.	1 pr.	9.60 pr.	1 pr.	8.40 pr.
No. 70-10" Surface Hinge	3 pr.	1.50 pr.	3 pr.	1.50 pr.	3 pr.	1.50 pr.	3 pr.	1.50 pr.
No. 50 Surface Hinge 4" x 2 1/2"	3 pr.	.80 pr.	3 pr.	.80 pr.				
No. 50 Surface Hinge 4" x 12"					3 pr.	2.20 pr.	3 pr.	2.20 pr.
6" Spring Top Bolt	2	1.10 ea.	2	1.10 ea.				
8" Spring Top Bolt					2	1.40 ea.	2	1.40 ea.
5/8"-18" Cane Bolt	2	.90 ea.	2	.90 ea.	2	.90 ea.	2	.90 ea.
No. 195 Floor Guide	1	1.00 ea.	1	1.00 ea.	1	1.00 ea.	1	1.00 ea.
Bumper Shoes	2 pr.	.26 pr.	2 pr.	.26 pr.	2 pr.	.26 pr.	2 pr.	.26 pr.

## PARTIAL SETS

Set No. 445-7-F includes all parts listed above except Track, Top Bolts and Cane Bolts.

	Price
NO. 1. TRACK.....	\$21.00
NO. 2 TRACK.....	26.00
NO. 4 TRACK.....	38.00
NO. 6 TRACK.....	34.00

Set No. 445-7-B-D includes Brackets and Door Hangers only.

NO. 1 TRACK.....	\$4.70
NO. 2 TRACK.....	7.50
NO. 4 TRACK.....	13.25
NO. 6 TRACK.....	10.75

## FOR EXAMPLE:

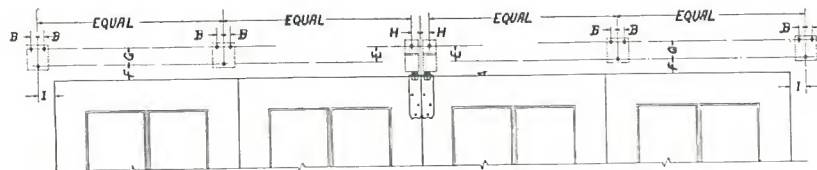
When order states No. 445-7-No. 1 Track we pack everything as listed under complete sets for No. 1 Track.

When order states No. 445-7-B-D-No. 4 Track, we pack Brackets and Door Hangers only for No. 4 Track.

When order states No. 445-7-F-No. 2 Track, we pack everything as listed under complete sets except Track, Top Bolt, and Cane Bolt for No. 2 Track.

The prices include all screws and lags necessary for erecting these sets.

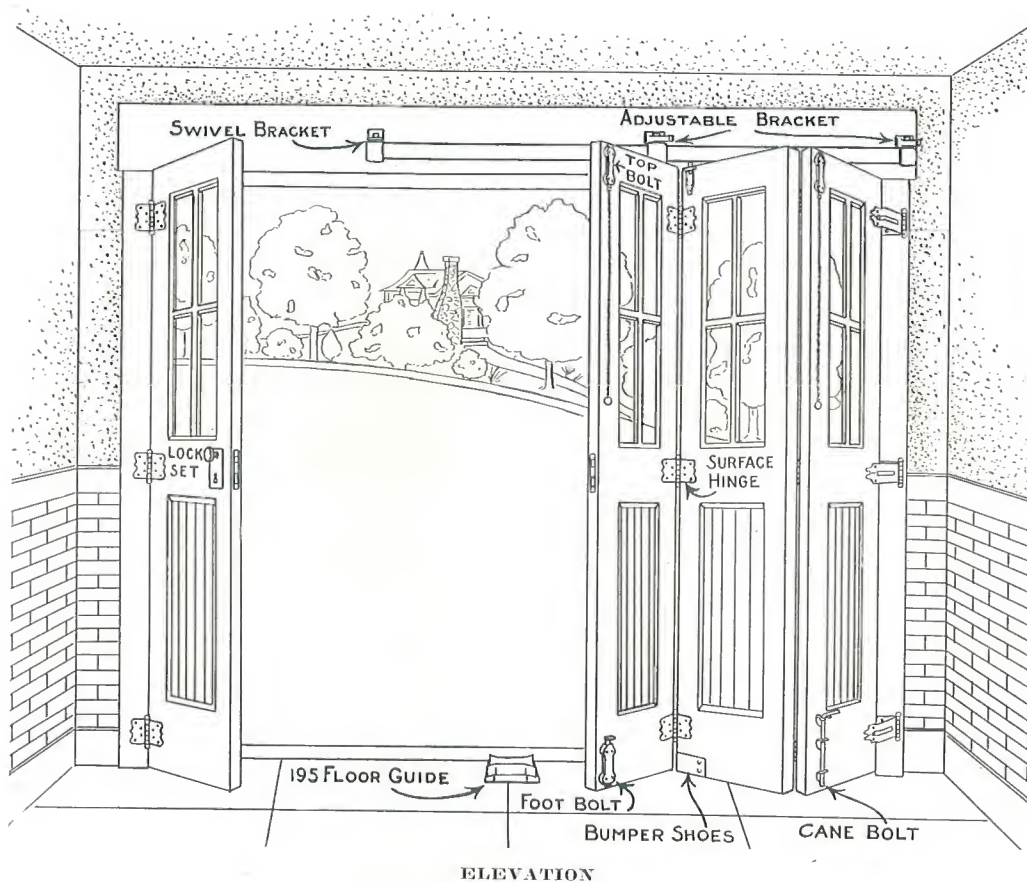
## LOCATION OF BOLTS



Track No.	Size Door Hanger	Size Bolt	B	D	E	F		G	H	I
						Max.	Min.			
1	A	1 1/2"	1 1/8"	3"	1 3/4"	4 1/4"	3 1/8"	2 7/8"	1 5/8"	6"
2	B	1 1/2"	1 1/8"	4"	1 3/4"	5 1/4"	4 1/8"	2 7/8"	1 5/8"	7 1/2"
4	C	5/8"	1 1/2"	4 3/4"	1 1/2"	6 1/4"	5"	3"	2 1/2"	7 1/4"
6	D	5/8"	1 1/2"	4 1/4"	1 1/2"	5 5/8"	4 5/8"	3"	2 1/4"	7 1/4"

## Plan No. 17

Four Doors used to close an opening not to exceed 12'-0" wide.  
Doors fit into a rebate and swing and slide to either side making a tight weatherproof job when closed.



ELEVATION



Plan No. 17

### LIST PRICE OF COMPLETE SETS NO. 444-17

	Price
NO. 1 TRACK For doors not to exceed 3' x 10' x 1 3/4" Weighing not over 125 lbs. each.....	\$15.80*
NO. 2 TRACK For doors not to exceed 3' x 12' x 2 1/4" Weighing not over 200 lbs. each.....	19.00*
NO. 4 TRACK For doors not to exceed 3' x 15' x 3" Weighing not over 400 lbs. each.....	28.00*
NO. 6 TRACK For doors not to exceed 3' x 14' x 2 1/2" Weighing not over 300 lbs. each.....	24.00*

\* If Cremone Bolt is wanted (Give Height of Door) add to above prices..... \$5.50

\* If No. 195 Door Binder is wanted (Give Height of Door) add to above prices..... 4.40

We can furnish Lock-Sets, but suggest the Local Hardware Dealer supply same as we do not manufacture or stock these items.

## COMPOSITION AND UNIT PRICES OF COMPLETE SETS, PLAN No. 17

	No. 1 Track		No. 2 Track		No. 4 Track		No. 6 Track	
	Required	Unit Price	Required	Unit Price	Required	Unit Price	Required	Unit Price
Track 1 Run per ft. or fraction	7 ft.	\$.26 ft.	7 ft.	\$.40 ft.	7 ft.	\$.65 ft.	7 ft.	\$.50 ft.
Swivel Wall End	1	.40 ea.	1	.60 ea.	1	1.30 ea.	1	1.10 ea.
Adj. Wall Center								
Brackets { 5" Extension	1	1.05 ea.	1	1.05 ea.	1	2.60 ea.	1	2.10 ea.
Adjustable Wall End								
7" Extension	1	1.20 ea.	1	1.20 ea.	1	2.90 ea.	1	2.35 ea.
No. 444 Door Hanger	1	2.95 ea.	1	3.60 ea.	1	5.50 ea.	1	4.90 ea.
No. 70-10" Surface Hinge	1½ pr.	1.50 pr.	1½ pr.	1.50 pr.	1½ pr.	1.50 pr.	1½ pr.	1.50 pr.
No. 50 Surface Hinge 4" x 2½"	1½ pr.	.80 pr.	1½ pr.	.80 pr.				
No. 50 Surface Hinge 4" x 12"					1½ pr.	2.20 pr.	1½ pr.	2.20 pr.
Butts 4" x 4" Tight Pin	3 pr.	.65 pr.	3 pr.	.65 pr.				
Butts 5" x 5" Tight Pin					3 pr.	1.30 pr.	3 pr.	1.30 pr.
6" Spring Top Bolt	2	1.10 ea.	2	1.10 ea.				
8" Spring Top Bolt					2	1.40 ea.	2	1.40 ea.
Raised Handle	1	.14 ea.	1	.14 ea.	1	.14 ea.	1	.14 ea.
5/8"-18" Cane Bolt	1	.90 ea.	1	.90 ea.	1	.90 ea.	1	.90 ea.
No. 195 Floor Guide	1	1.00 ea.	1	1.00 ea.	1	1.00 ea.	1	1.00 ea.
Bumper Shoes	1 pr.	.26 pr.	1 pr.	.26 pr.	1 pr.	.26 pr.	1 pr.	.26 pr.

## PARTIAL SETS

Set No. 444-17-F, includes all parts as listed above under Complete Sets except Track, Top Bolts and Cane Bolts.

	Price
NO. 1 TRACK.....	\$12.00
NO. 2 TRACK.....	14.50
NO. 4 TRACK.....	18.00
NO. 6 TRACK.....	17.50

Set No. 444-17-B-D, which includes Brackets and Door Hangers only.

NO. 1 TRACK.....	\$5.20
NO. 2 TRACK.....	8.00
NO. 4 TRACK.....	14.00
NO. 6 TRACK.....	11.50

## FOR EXAMPLE:

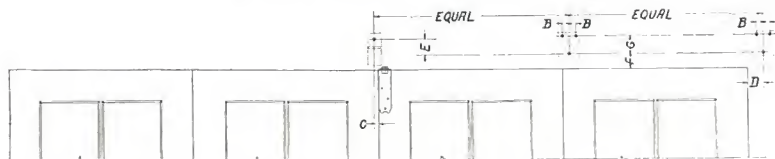
When order states No. 444-17-No. 1 Track we pack everything as listed under complete sets for No. 1 Track.

When order states No. 444-17-B-D-No. 4 Track, we pack Brackets and Door Hangers only for No. 4 Track.

When order states No. 444-17-F-No. 2 Track, we pack everything as listed under complete sets except Track, Top Bolt, and Cane Bolt for No. 2 Track.

The prices include all screws and lags necessary for erecting these sets.

## LOCATION OF BOLTS

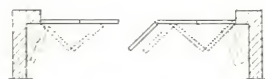
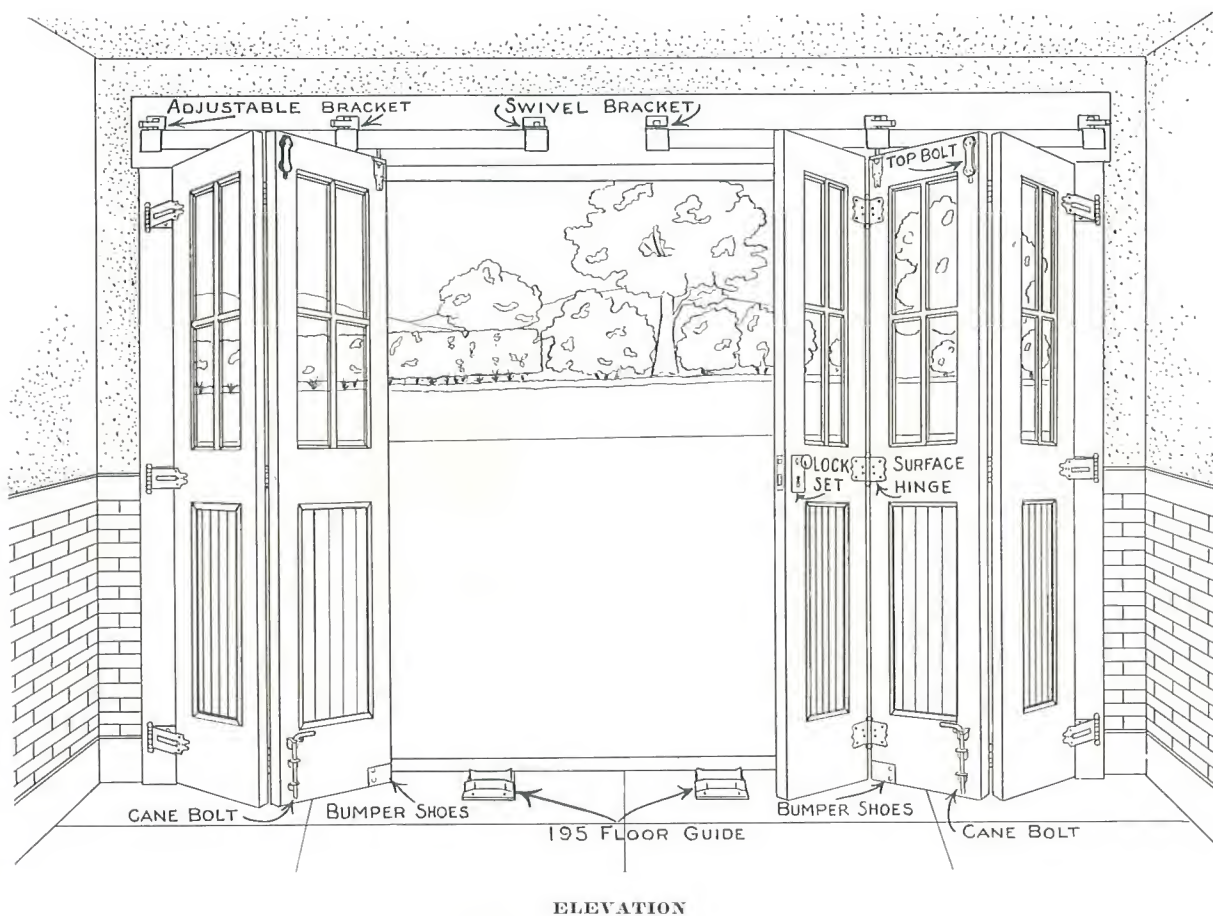


If doors open from the opposite jamb locate bolts on opposite side of the opening, cut track to fit after adjustments are made.

Track No.	Size Door Hanger	Size Bolts	B	C	D	E	F		G
							Max.	Min.	
1	A	1½"	1⅞"	1"	7¼"	1¾"	4¼"	3⅛"	2⅞"
2	B	1½"	1⅞"	2"	8"	1¾"	5¼"	4⅞"	2⅞"
4	C	5/8"	1½"	1¾"	8⅝"	1½"	6¼"	5"	3"
6	D	5/8"	1½"	1¾"	8¾"	1½"	5⅝"	4⅝"	3"

## Plan No. 8

Five doors used to close an opening not to exceed 15'-0" wide.  
Doors fit into a rebate and swing and slide to either side making a tight weatherproof job when closed.



### LIST OF COMPLETE SETS NO. 444-8

		Price
NO. 1 TRACK	For doors not to exceed 3' x 10' x 1 3/4"	\$27.00*
	Weighing not over 125 lbs. each.....	
NO. 2 TRACK	For doors not to exceed 3' x 12' x 2 1/4"	32.00*
	Weighing not over 200 lbs. each.....	
NO. 4 TRACK	For doors not to exceed 3' x 15' x 3'	48.00*
	Weighing not over 400 lbs. each.....	
NO. 6 TRACK	For doors not to exceed 3' x 14' x 2 1/2"	42.00*
	Weighing not over 300 lbs. each.....	

\* If Cremone Bolt is wanted (Give Height of Door) add to above prices..... \$5.50

\* If No. 195 Door Binder is wanted (Give Height of Door) add to above prices..... \$4.40

We can furnish Lock-Sets, but suggest the Local Hardware Dealer supply same as we do not manufacture or stock these items.

## COMPOSITION OF UNIT PRICES AND COMPLETE SETS, PLAN No. 8

		No. 1 Track		No. 2 Track		No. 4 Track		No. 6 Track	
		Required	Unit Price	Required	Unit Price	Required	Unit Price	Required	Unit Price
Track 2 Runs per ft. or fraction		14 ft.	\$2.26 ft.	14 ft.	\$4.40 ft.	14 ft.	\$6.65 ft.	14 ft.	\$5.50 ft.
Brackets	Swivel Wall End	2	.40 ea.	2	.60 ea.	2	1.30 ea.	2	1.10 ea.
	Short Adj. Wall Cent'r								
	5" Extension	2	1.05 ea.	2	1.30 ea.	2	2.60 ea.	2	2.10 ea.
	Long Adjustable Wall End 7" Extension	2	1.20 ea.	2	1.50 ea.	2	2.90 ea.	2	2.35 ea.
No. 444 Door Hangers		1 pr.	5.90 pr.	1 pr.	7.20 pr.	1 pr.	11.00pr.	1 pr.	9.80 pr.
No. 70-10" Surface Hinge		3 pr.	1.50 pr.	3 pr.	1.50 pr.	3 pr.	1.50 pr.	3 pr.	1.50 pr.
No. 50 Surface Hinge 4" x 2½"		4½ pr.	.80 pr.	4½ pr.	.80 pr.				
No. 50 Surface Hinge 4" x 12"						4½ pr.	2.20 pr.	4½ pr.	2.20 pr.
Raised Handle		2	.14 ea.	2	.14 ea.	2	.14 ea.	2	.14 ea.
6" Spring Top Bolt		2	1.10 ea.	2	1.10 ea.				
8" Spring Top Bolt						2	1.40 ea.	2	1.40 ea.
5⁄8"-18" Cane Bolt		2	.90 ea.	2	.90 ea.	2	.90 ea.	2	.90 ea.
No. 195 Floor Guide		2	1.00 ea.	2	1.00 ea.	2	1.00 ea.	2	1.00 ea.
Bumper Shoes		2 pr.	.26 pr.	2 pr.	.26 pr.	2 pr.	.26 pr.	2 pr.	.26 pr.

## PARTIAL SETS

Set No. 444-8-F, includes all parts as listed above under Complete Sets except Track, Top Bolts and Cane Bolt.

	Price
NO. 1 TRACK.....	\$21.00
NO. 2 TRACK.....	26.00
NO. 4 TRACK.....	38.00
NO. 6 TRACK.....	34.00

Set No. 444-8-B-D which includes Brackets and Door Hangers only.

NO. 1 TRACK.....	\$9.40
NO. 2 TRACK.....	15.00
NO. 4 TRACK.....	26.50
NO. 6 TRACK.....	21.50

## FOR EXAMPLE:

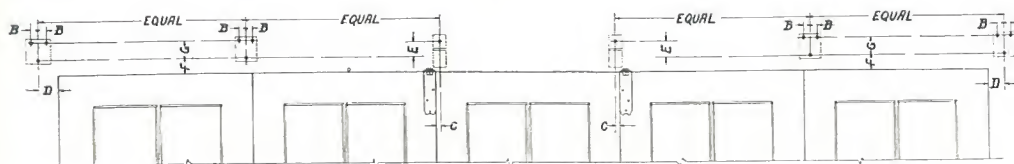
When order states No. 444-8-No. 1 Track we pack everything as listed under complete sets for No. 1 Track.

When order states No. 444-8-F-No. 4 Track, we pack Brackets and Door Hangers only for No. 4 Track.

When order states No. 444-8-F-No. 2 Track, we pack everything as listed under complete sets except Track, Top Bolt, and Cane Bolt for No. 2 Track.

The prices include all screws and lags necessary for erecting these sets.

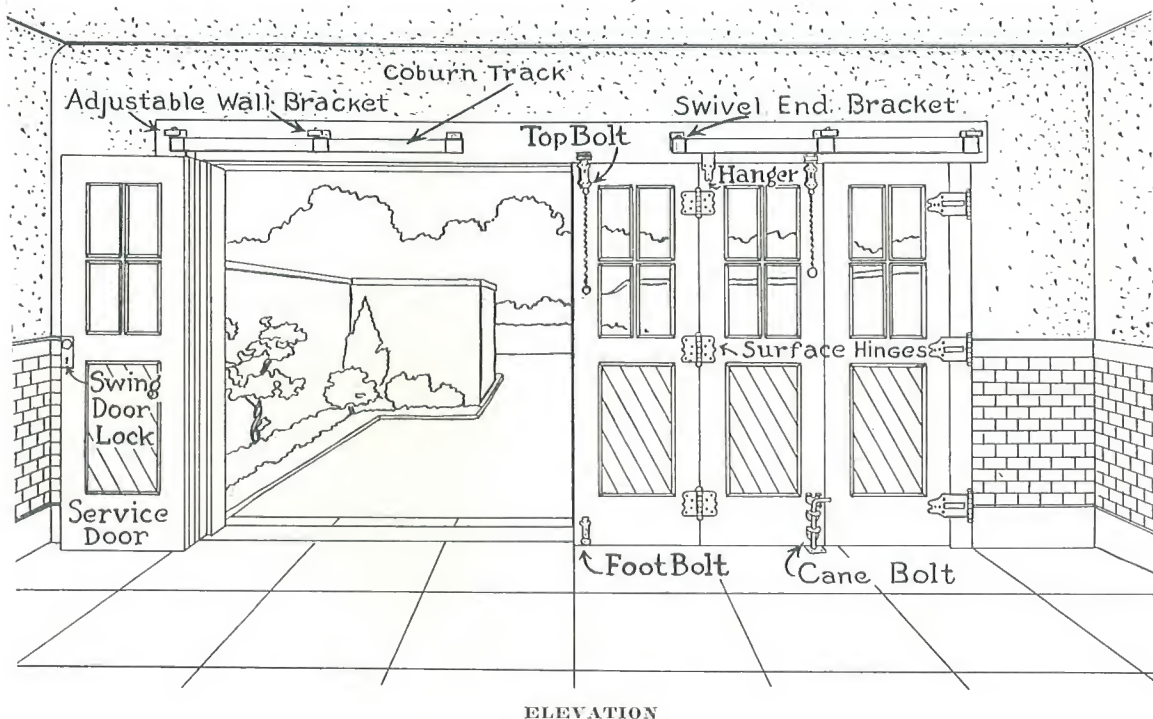
## LOCATION OF BOLTS



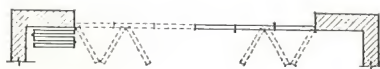
Track No.	Size Door Hanger	Size Bolts	B	C	D	E	F		G
							Max.	Min.	
1	A	1/2"	1 1/8"	1"	7 1/4"	1 3/4"	4 1/4"	3 1/8"	2 7/8"
2	B	1/2"	1 1/8"	2"	8 1/4"	1 3/4"	5 1/4"	4 1/8"	2 7/8"
4	C	5/8"	1 1/2"	1 3/4"	8 1/4"	1 1/2"	6 1/4"	5"	3"
6	D	5/8"	1 1/2"	1 3/4"	8 1/4"	1 1/2"	5 5/8"	4 5/8"	3"

## Plan No. 9

Six doors used to close an opening not to exceed 18'-0" wide.  
Doors fit into a rebate and swing and slide to either side making a tight weatherproof job when closed.



ELEVATION



Plan No. 9

The same hardware is necessary to hang doors as shown in either Plans 6-A and 6-B.

### LIST PRICE OF COMPLETE SETS NO. 444-9

		Price
NO. 1 TRACK	For doors not to exceed 3' x 10' x 1 3/4"	
	Weighing not over 125 lbs. each.....	\$27.60*
NO. 2 TRACK	For doors not to exceed 3' x 12' x 2 1/4"	
	Weighing not over 200 lbs. each.....	32.00*
NO. 4 TRACK	For doors not to exceed 3' x 15' x 3"	
	Weighing not over 400 lbs. each.....	48.00*
NO. 6 TRACK	For doors not to exceed 3' x 14' x 2 1/2"	
	Weighing not over 300 lbs. each.....	42.00*

\* If Cremone Bolt is wanted (Give Height of Door) add to above prices..... \$5.50

\* If No. 195 Door Binder is wanted (Give Height of Door) add to above prices..... 4.40

We can furnish Lock-Sets, but suggest the Local Hardware Dealer supply same as we do not manufacture or stock these items.

## COMPOSITION AND UNIT PRICES OF COMPLETE SETS, PLAN No. 9

	No. 1 Track		No. 2 Track		No. 4 Track		No. 6 Track	
	Required	Unit Price	Required	Unit Price	Required	Unit Price	Required	Unit Price
Track 2 Runs per ft. or fraction	14 ft.	\$.26 ft.	14 ft.	\$.40 ft.	14 ft.	\$.65 ft.	14 ft.	\$.50 ft.
Swivel Wall End	2	.40 ea.	2	.60 ea.	2	1.30 ea.	2	1.10 ea.
Short Adj. Wall Cent'r								
Brackets { 5" Extension	2	1.05 ea.	2	1.30 ea.	2	2.60 ea.	2	2.10 ea.
Long Adjustable Wall								
7" End Extension	2	1.20 ea.	2	1.50 ea.	2	2.90 ea.	2	2.35 ea.
No. 444 Door Hanger	1 pr.	5.90 pr.	1 pr.	7.20 pr.	1 pr.	11.00pr.	1 pr.	9.80 pr.
Butts 4 x 4 Tight Pin	3 pr.	.65 pr.	3 pr.	.65 pr.				
Butts 5 x 5 Tight Pin					3 pr.	1.30 pr.	3 pr.	1.30 pr.
No. 70-10" Surface Hinge	3 pr.	1.50 pr.	3 pr.	1.50 pr.	3 pr.	1.50 pr.	3 pr.	1.50 pr.
No. 50 Surface Hinge 4" x 2½"	3 pr.	.80 pr.	3 pr.	.80 pr.				
No. 50 Surface Hinge 4" x 12"					3 pr.	2.20 pr.	3 pr.	2.20 pr.
Raised Handle	2	.14 ea.	2	.14 ea.	2	.14 ea.	2	.14 ea.
6" Spring Top Bolt	3	1.10 ea.	3	1.10 ea.				
8" Spring Top Bolt					3	1.40 ea.	3	1.40 ea.
6" Spring Foot Bolt	1	1.00 ea.	1	1.00 ea.				
8" Spring Foot Bolt					1	1.30 ea.	1	1.30 ea.
5/8"-18" Cane Bolt	2	.90 ea.	2	.90 ea.	2	.90 ea.	2	.90 ea.
No. 195 Floor Guide	2	1.00 ea.	2	1.00 ea.	2	1.00 ea.	2	1.00 ea.
Bumper Shoes	2 pr.	.26 pr.	2 pr.	.26 pr.	2 pr.	.26 pr.	2 pr.	.26 pr.

## PARTIAL SETS

Set No. 444-9-F, includes all parts as listed above under Complete Sets except Track, Top Bolts and Cane Bolt.

	Price
NO. 1 TRACK.....	\$22.00
NO. 2 TRACK.....	26.00
NO. 4 TRACK.....	38.00
NO. 6 TRACK.....	34.00

Set No. 444-9-B-D which includes Brackets and Door Hangers only.

NO. 1 TRACK.....	\$9.40
NO. 2 TRACK.....	15.00
NO. 4 TRUCK.....	26.50
NO. 6 TRUCK.....	21.50

## FOR EXAMPLE:

When order states No. 444-9-No. 1 Track we pack everything as listed under complete sets for No. 1 Track.

When order states No. 444-9-B-D-No. 4 Track, we pack Brackets and Door Hangers only for No. 4 Track.

When order states No. 444-9-F-No. 2 Track, we pack everything as listed under complete sets except Track, Top Bolt, and Cane Bolt for No. 2 Track.

The prices include all screws and lags necessary for erecting these sets.

## LOCATION OF BOLTS



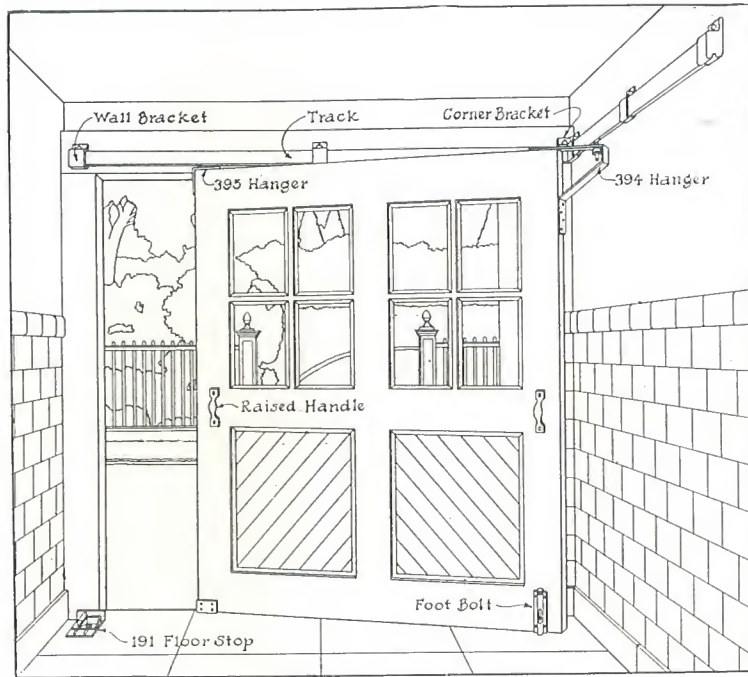
Track No.	Size Door Hanger	Size Bolts	B	C	D	E	F		G
							Max.	Min.	
1	A	½"	1⅛"	1"	7¼"	1¾"	4¼"	3⅛"	2⅝"
2	B	½"	1⅛"	2"	8"	1¾"	5¼"	4⅛"	2⅞"
4	C	5/8"	1½"	1¾"	8⅛"	1½"	6¼"	5"	3"
6	D	5/8"	1½"	1¾"	8¾"	1½"	5⅝"	4⅝"	3"

## Plan No. 10

A single door sliding onto a crosswall where distance from edge of opening to crosswall is from 4" to 12". For Doors not over 10'-0" wide. Openings 10'-0" to 20'-0" wide use two doors, one sliding back onto the crosswall on each side of the opening. Full width of opening available.

**Give distance from crosswall to edge of door when closed.**

*The amount of floor space used in operating doors of this type see Clearance Curve Chart, page 23*



ELEVATION

Plan No. 10

NO. 1 TRACK used on doors not less than 1½" thick weighing not over 300 lbs. each.  
 NO. 2 TRACK used on doors not less than 1¾" thick weighing not over 500 lbs. each.  
 NO. 4 TRACK used on doors not less than 2¼" thick weighing not over 900 lbs. each.  
 NO. 6 TRACK used on doors not less than 2¾" thick weighing not over 700 lbs. each.

### COMPOSITION AND UNIT PRICES OF COMPLETE SETS, PLAN No. 10

	No. 1 Track		No. 2 Track		No. 4 Track		No. 6 Track	
	Number Required	Unit Price	Number Required	Unit Price	Number Required	Unit Price	Number Required	Unit Price
Track (Length each run equal to the distance from the crosswall to far side of door when closed)	2 Runs	\$ .26 ft.	2 Runs	\$ .40 ft.	2 Runs	\$ .65 ft.	2 Runs	\$ .50 ft.
*Brackets (Spaced not over 4'-0" on centers)	Single Wall	.35 ea.	1 pr.	.50 ea.	1 pr.	1.60 ea.	1 pr.	1.40 ea.
	Ends	.22 ea.	1 pr.	.36 ea.	1 pr.	.74 ea.	1 pr.	.56 ea.
	Single Wall	.30 ea.		.50 ea.		1.60 ea.		1.40 ea.
	Centers	.22 ea.		.36 ea.		.74 ea.		.56 ea.
Cast Corner	1	1.35 ea.	1	2.25 ea.	1	5.00 ea.	1	4.50 ea.
No. 394 Door Hanger	1	2.25 ea.	1	3.00 ea.	1	4.50 ea.	1	4.00 ea.
No. 395 Door Hanger	1	1.90 ea.	1	2.50 ea.	1	3.80 ea.	1	3.40 ea.
Raised Handle (Light)	2	.14 ea.	2	.14 ea.	2	.14 ea.	2	.14 ea.
No. 191 Floor Stop	1	.80 ea.	1	.80 ea.	1	.80 ea.	1	.80 ea.
Bumper Shoes	1 pr.	.26 pr.	1 pr.	.26 pr.	1 pr.	.26 pr.	1 pr.	.26 pr.
† 8" Spring Foot Bolt	1	1.20 ea.	1	1.20 ea.	1	1.20 ea.	1	1.20 ea.

All Bolts and Screws are included in the above prices.

\* Cast Iron Brackets are recommended but Forged Steel Brackets may be substituted.

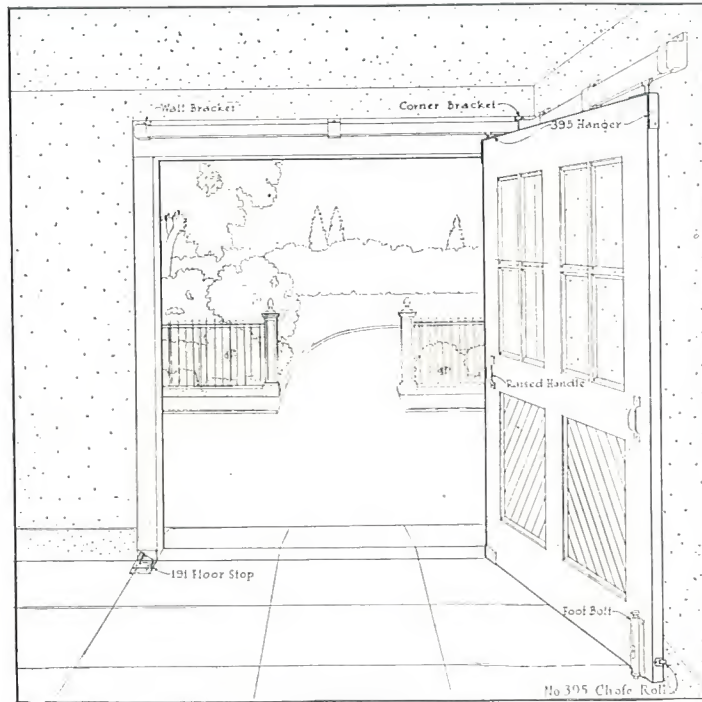
† If this door is used as a service door substitute a Hasp, Staple, and Padlock for the Foot Bolt.

# Plan No. 11

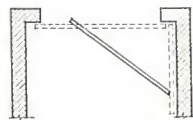
A single door sliding onto a cross wall where the distance from the edge of the opening is 4" or less. For doors not over 10'-0" wide. Openings 10'-0" to 20'-0" wide use two doors one sliding back onto the crosswall on each side of the opening. Full width of opening available.

**Give distance from crosswall to edge of door when closed.**

*The amount of floor space used in operating doors of this type see Clearance Curve Chart, page 23*



ELEVATION



Plan No. 11

NO. 1 TRACK used on doors 1½" thick and over weighing not over 300 lbs. each.  
 NO. 2 TRACK used on doors 1¾" thick and over weighing not over 500 lbs. each.  
 NO. 4 TRACK used on doors 2¼" thick and over weighing not over 900 lbs. each.  
 NO. 6 TRACK used on doors 2¼" thick and over weighing not over 700 lbs. each.

## COMPOSITION AND UNIT PRICES OF COMPLETE SETS, PLAN No. 11

	No. 1 Track		No. 2 Track		No. 4 Track		No. 6 Track	
	Number Required	Unit Price	Number Required	Unit Price	Number Required	Unit Price	Number Required	Unit Price
Track (1 length each run equal to the distance from the crosswall to far side of door when closed)	2 Runs	\$2.26 ft.	2 Runs	\$4.40 ft.	2 Runs	\$6.65 ft.	2 Runs	\$5.50 ft.
*Brackets (Spaced not over 4'-0" on centers)	Single Wall	Cast Iron	1 pr.	.30 ea.	1 pr.	.50 ea.	1 pr.	1.40 ea.
	End	Forged Steel	1 pr.	.22 ea.	1 pr.	.36 ea.	1 pr.	.56 ea.
	Single Wall	Cast Iron		.30 ea.		.50 ea.		1.40 ea.
	Center	Forged Steel		.22 ea.		.36 ea.		.56 ea.
	Cast Corner	Cast Iron only	1	1.35 ea.	1	2.25 ea.	1	4.50 ea.
No. 395 Door Hanger	1 pr.	3.80 pr.	1 pr.	5.00 pr.	1 pr.	7.60 pr.	1 pr.	6.80 pr.
Raised Handle (Light)	2	.14 ea.	2	.14 ea.	2	.14 ea.	2	.14 ea.
No. 191 Floor Stop	1	.80 ea.	1	.80 ea.	1	.80 ea.	1	.80 ea.
Bumper Shoes	1 pr.	.26 pr.	1 pr.	.26 pr.	1 pr.	.26 pr.	1 pr.	.26 pr.
† 8" Spring Foot Bolt	1	1.20 ea.	1	1.20 ea.	1	1.20 ea.	1	1.20 ea.
No. 395 Chafe Roll	1	.45 ea.	1	.45 ea.	1	.45 ea.	1	.45 ea.

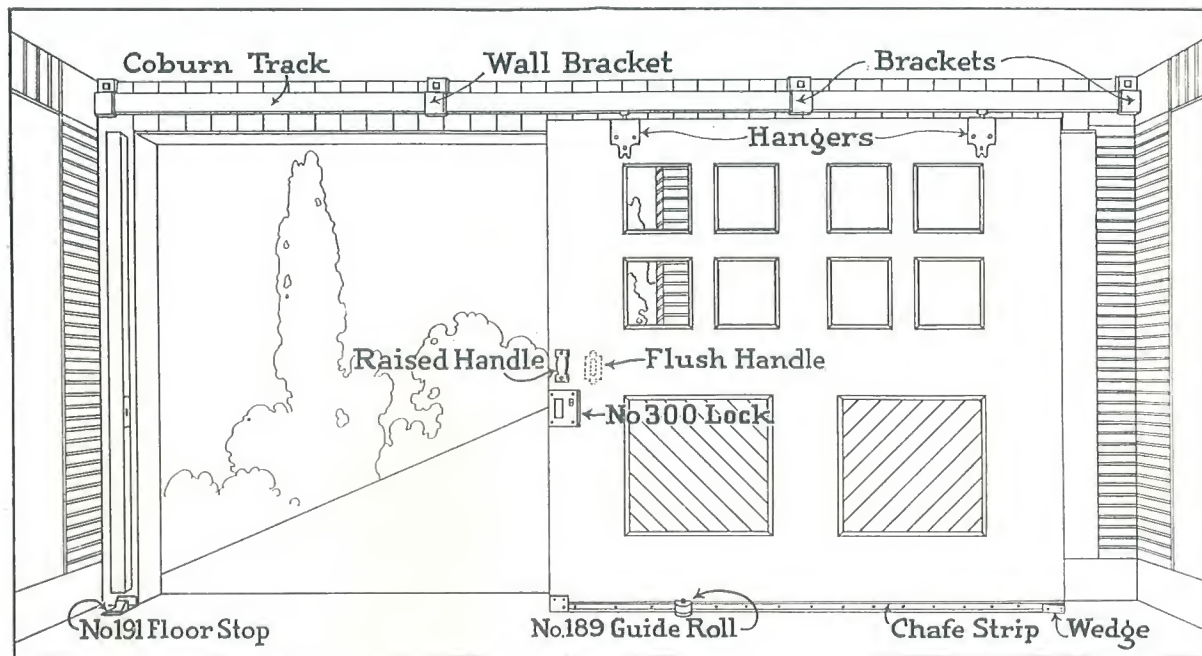
All Bolts and Screws are included in the above prices.

\* Cast Iron Brackets are recommended but Forged Steel Brackets may be substituted.

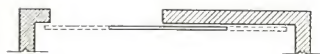
† If this door is used as a service door substitute a Hasp, Staple, and Padlock for the Foot Bolt.

## Plan No. 14

A single door sliding to the side. One run of track required.  
Full width of opening available. This plan suitable for openings up to 10'-0" wide.



ELEVATION



Plan No. 14

We recommend using No. 137 Style Door Hanger altho any other style except No's. 444-445-185-388-394-395-396-497-700 may be used as best suits your requirements. See pages 5 to 24 inclusive.

NO. 1 TRACK used on doors 1 $\frac{1}{4}$ " to 1 $\frac{3}{4}$ " thick weighing not over 400 lbs. each.

NO. 2 TRACK used on doors 1 $\frac{3}{4}$ " to 2 $\frac{1}{2}$ " thick weighing not over 600 lbs. each.

NO. 4 TRACK used on doors 2" to 3 $\frac{1}{4}$ " thick weighing not over 1000 lbs. each.

NO. 6 TRACK used on doors 2" to 3 $\frac{1}{4}$ " thick weighing not over 800 lbs. each.

### COMPOSITION AND UNIT PRICES OF COMPLETE SETS, PLAN No. 14

	No. 1 Track		No. 2 Track		No. 4 Track		No. 6 Track	
	Number Required	Unit Price	Number Required	Unit Price	Number Required	Unit Price	Number Required	Unit Price
Track (Length equal to twice the width of the opening)	1 Run	\$ .26 ft.	1 Run	\$ .40 ft.	1 Run	\$ .65 ft.	1 Run	\$ .50 ft.
*Brackets (Spaced not over 4'-0" on centers)	1 pr.	.30 ea.	1 pr.	.50 ea.	1 pr.	1.60 ea.	1 pr.	1.40 ea.
	1 pr.	.22 ea.	1 pr.	.36 ea.	1 pr.	.74 ea.	1 pr.	.56 ea.
		.30 ea.		.50 ea.		1.60 ea.		1.40 ea.
		.22 ea.		.36 ea.		.74 ea.		.56 ea.
†Door Hanger (as selected)	1 pr.		1 pr.		1 pr.		1 pr.	
Raised Handle (Light)	1	.14 ea.	1	.14 ea.	1	.14 ea.	1	.14 ea.
Flush Handle (Light)	1	.14 ea.	1	.14 ea.	1	.14 ea.	1	.14 ea.
No. 189 Guide Roll	1	.50 ea.	1	.50 ea.	1	.50 ea.	1	.50 ea.
No. 191 Floor Stop	1	.80 ea.	1	.80 ea.	1	.80 ea.	1	.80 ea.
Bumper Shoes	1 pr.	.26 pr.	1 pr.	.26 pr.	1 pr.	.26 pr.	1 pr.	.26 pr.
Wedge	1	.13 ea.	1	.13 ea.	1	.13 ea.	1	.13 ea.
Chafe Strip (Length equal to the width of the door minus 8")	1	.12 ft.	1	.12 ft.	1	.12 ft.	1	.12 ft.
No. 300 Lock (Optional)	1	5.00 ea.	1	5.00 ea.	1	5.00 ea.	1	5.00 ea.

All Bolts and Screws are included in the above prices.

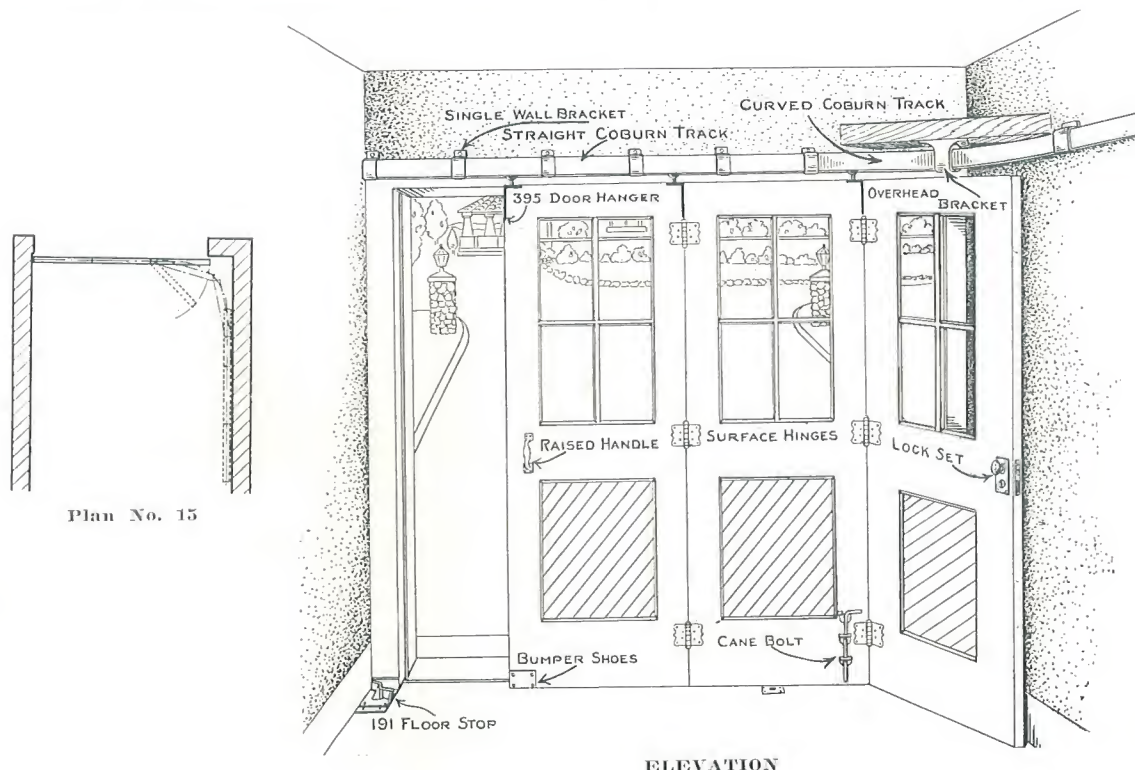
\* Cast Iron Brackets are recommended but Forged Steel Brackets may be substituted.

† Doors 10'-0" wide and over up to 15'-0" should have a pair and a half of Door Hangers to a door to keep same from sagging and hold it in line with the track.

# Plan No. 15

A combination of doors sliding back from the opening onto a crosswall. One run of track with curve required. Full width of opening available. This plan is suitable for any width of opening. Individual doors should not exceed 4'-0" wide each. Any number of doors may be used to close the opening and all may be made to slide to one side or part each side.

The amount of floor space used in operating doors of this type see Clearance Curve Chart, page 23



ELEVATION

NO. 1 TRACK used on doors 1½" thick and over weighing not over 300 lbs. each.  
 NO. 2 TRACK used on doors 1¾" thick and over weighing not over 500 lbs. each.  
 NO. 4 TRACK used on doors 2¼" thick and over weighing not over 900 lbs. each.  
 NO. 6 TRACK used on doors 2¾" thick and over weighing not over 700 lbs. each.

## COMPOSITION AND UNIT PRICES OF COMPLETE SETS, PLAN No. 15

		No. 1 Track		No. 2 Track		No. 4 Track		No. 6 Track			
		Number Required	Unit Price	Number Required	Unit Price	Number Required	Unit Price	Number Required	Unit Price		
Track	{ Straight (2 Runs each equal to the distance from the crosswall to the far side of the door when closed, minus the radius of the curve) ‡ Curved (One 90°-2'-6" Radius)	2 Runs	\$2.26 ft.	2 Runs	\$4.40 ft.	2 Runs	\$6.65 ft.	2 Runs	\$8.50 ft.		
		1	.80 ft.	1	1.00 ft.	1	1.80 ft.	1	1.50 ft.		
* Brackets (Spaced not over 4'-0" on centers)	{ Single Wall { Cast Iron End { Forged Steel Single Wall { Cast Iron Center { Forged Steel Overhead { Cast Iron Forged Steel	1 pr.	.30 ea.	1 pr.	.50 ea.	1 pr.	1.60 ea.	1 pr.	1.40 ea.		
		1 pr.	.22 ea.	1 pr.	.36 ea.	1 pr.	.74 ea.	1 pr.	.56 ea.		
			.30 ea.		.50 ea.		1.60 ea.		1.40 ea.		
			.22 ea.		.36 ea.		.74 ea.		.56 ea.		
		1	.35 ea.	1	.50 ea.	1	2.25 ea.	1	1.85 ea.		
		1	.24 ea.	1	.40 ea.	1	.74 ea.	1	.56 ea.		
		No. 395 Door Hanger (One for each door)			3.80 pr.		5.00 pr.		7.60 pr.		6.80 pr.
		No. 50 Surface Hinge 5"x3½" (1½ pr. to a door)			1.40 pr.		1.40 pr.				
		No. 50 Surface Hinge 4"x12" (1½ pr. to a door)							2.20 pr.		2.20 pr.
		Raised Handle (Light)		1	.14 ea.	1	.14 ea.	1	.14 ea.	1	.14 ea.
No. 191 Floor Stop		1	.80 ea.	1	.80 ea.	1	.80 ea.	1	.80 ea.		
Bumper Shoes		1 pr.	.26 pr.	1 pr.	.26 pr.	1 pr.	.26 pr.	1 pr.	.26 pr.		
‡ 5/8"-18" Cane Bolt		1	.90 ea.	1	.90 ea.	1	.90 ea.	1	.90 ea.		
† Lock Set.											

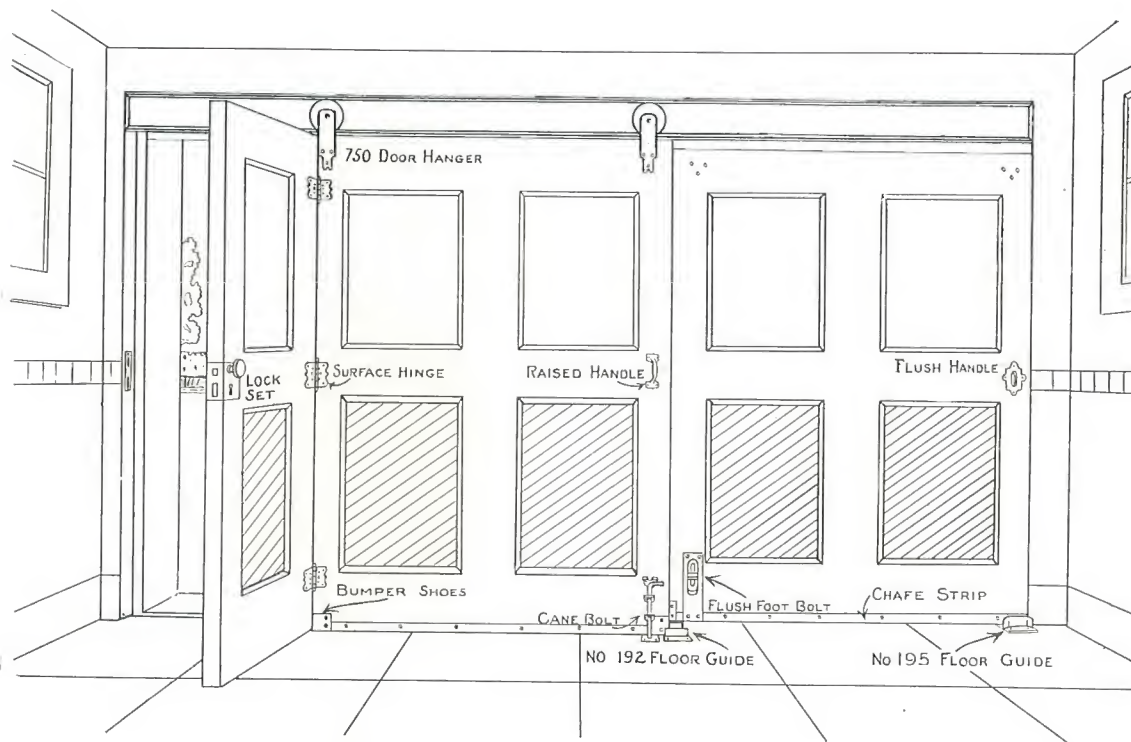
\* Cast Iron Brackets are recommended but Forged Steel Brackets may be substituted.

† We can furnish Lock Sets but suggest the Local Hardware Dealer supply same as we do not manufacture or stock this item.

‡ Actual installations have proven that 2'-6" Radius Curve is the smallest that should be used.

## Plan No. 16

A pair of doors sliding in either direction. One single run of No. 750 I Track required with stop attached. Track should be long enough to build into the walls and act as a lintel. Swing door should not exceed 3'-0" wide. Over half the opening available amount depending on width of the swing door.



ELEVATION



Plan No. 16

### COMPOSITION AND UNIT PRICES OF COMPLETE SETS, PLAN No. 16

	Number Required	Unit Price
*Track	1 Run	
No. 750 Door Hangers	2 pr.	
Raised Handle (Light)	1	.14 ea.
Flush Handle (Light)	1	.14 ea.
No. 50 Surface Hinges 4" x 2½"	1½ pr.	.80 pr.
No. 50 Surface Hinges 5" x 3½"	1½ pr.	1.40 pr.
5/8"-18" Cane Bolt	1	.90 ea.
Flush Foot Bolt	1	1.60 ea.
No. 192 Floor Guide	1	1.60 ea.
No. 195 Floor Guide	1	1.00 ea.
Bumper Shoes	4 pr.	.26 pr.
Chafe Strip (Length of each equal to the width of the door minus 7")	4	.12 ft.
†Lock Set (as selected)		

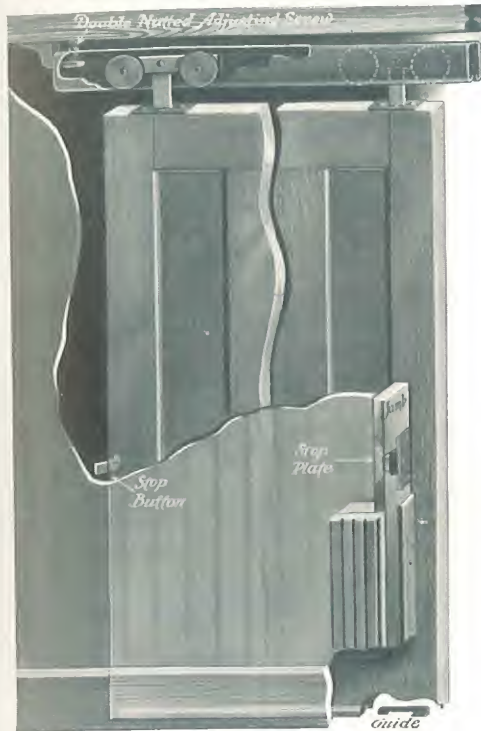
\*Coburn Track, Brackets, and Door Hangers can be substituted which are fastened to the under side of a lintel all ready in place.

† We can furnish Lock Sets but suggest the Local Hardware supply same as we do not manufacture or stock this item.

# Coburn House Door Hangers

## HEADROOM AND CONSTRUCTION REQUIRED FOR INSTALLING HANGERS AND TRACK

The following illustrations and data are given so that not only the proper hanger may be selected but that it may be properly installed at the job.



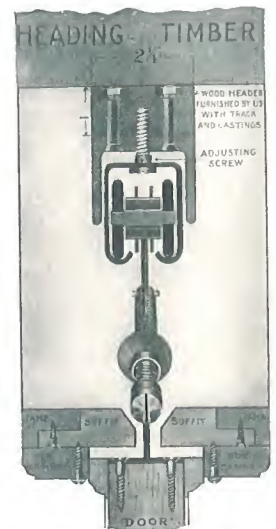
Section Thru Pocket Showing Hanger and Door in Place

The illustrations give a general idea of the construction at the head and in the pocket. The detail shows the most satisfactory method of constructing the head casing. This allows only a narrow slot to be visible completely concealing the track and making a neat job.

*In all cases the casing and soffit around the head of the door opening should be attached with screws in case adjustments are necessary due to settlement of the building.*

### Headroom Required from Under-side of Heading Timber to Top of Door.

Hanger No.	Min.	Max.
100	5 $\frac{7}{8}$	6 $\frac{3}{8}$
104	5 $\frac{3}{4}$	6 $\frac{1}{4}$
105	7 $\frac{1}{2}$	8 $\frac{1}{2}$
110	7 $\frac{1}{2}$	8 $\frac{1}{2}$

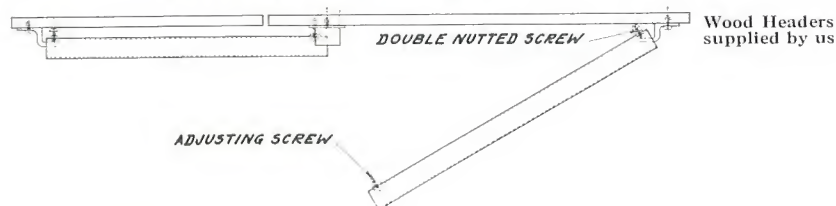


Section Thru Head of Door Opening Showing the Proper Construction and Headroom

In fixing the height of the header from the top of the door, allow  $\frac{1}{4}$ " from the top of the door to the soffit for clearance. Then the maximum or minimum headroom figure depending on the number of the hangers selected, will locate the bottom of the rough header from the top of the door.

The width of each door of double sliding doors should be half the width of the opening plus the thickness of the jamb casing. The doors should be detailed to put the extra width on the stile of the door entering the pocket, so as to show equal widths of stiles on the doors when closed.

### INSTALLING THE TRACK



Elevation showing header with half of track in place and other half dropped down for inserting Door Hangers and making adjustments.

The track is made up in two pieces, the longer of which in the case of single doors goes into the pocket and is attached to a wood header furnished by us for fastening to the heading timber. The track is adjustable for leveling. By inserting a screw driver between the lips of the track, backing off in the adjusting screw in the center casting until the track drops down. Then remove the piece of track from the pocket and make in or out on the double nussed screw at the back end as is necessary and clamp the track securely between the two nuts then replace the track. Where door hangers have vertical adjustment, place the door hangers on the doors so that the adjusting screw can be reached by inserting a screw driver between the soffits.

For Price List of Track and Sets see page 64.

For Price List of Door Hangers see page 62.

## Coburn House Door Hangers

### No. 100 HANGER

*Suitable for Doors weighing not over 80 lbs. each and used with Track No. 1. Non Adjustable.*



No. 100 Hanger  
Patented

No. 100 Hanger has machined cast iron or fibre wheels, case hardened roller bearings, stamped steel pendant and pendant plate  $1\frac{3}{8}$ " wide for attaching to top of door.

All screws furnished.

Price per pair, iron wheels and roller bearings **\$2.50**

Weight per pair, 3 lbs.

Price per pair, fibre wheels and roller bearings **2.75**

Weight per pair, 3 lbs.

**Unless otherwise specified on order Iron Wheels and Roll Bearings will be sent.**

*These Hangers are usually sold in sets for either single or pairs of Doors. See page 64.*

### No. 104 HANGER

*Suitable for Doors weighing up to 40 lbs. each and used with Track No. 1.*

*Non Adjustable.*



No. 104 Hanger  
Patented

No. 104 House Door Hanger has machined cast iron or fibre wheels, case hardened roll bearings, cast iron pendant, stamped steel pendant plates  $1\frac{3}{8}$ " wide for attaching to top of door.

All screws furnished.

Price per pair, iron wheels and roller bearings **\$2.50**

Weight per pair,  $1\frac{1}{4}$  lbs.

Price per pair, fibre wheels and roller bearings **2.75**

Weight per pair,  $1\frac{1}{4}$  lbs.

**Unless otherwise specified on order Iron Wheels and Roll Bearings will be sent.**

*These Hangers are usually sold in sets for either single or pairs of Doors. See page 64.*

### No. 105 HANGER

*Suitable for Doors weighing up to 50 lbs. each and used with Track No. 1.*

*Vertical Adjustment only.*



No. 105 Hanger  
Patented

No. 105 Huose Door Hanger has machined cast iron or fibre wheels case hardened roll bearings, cast iron pendant, steel adjusting screw and stamped steel pendant plate  $1\frac{3}{8}$ " wide for attaching to top of door.

All screws furnished.

Price per pair, iron wheel and roller bearings **\$3.00**

Weight per pair,  $2\frac{1}{2}$  lbs.

Price per pair, fibre wheels and roller bearings **3.25**

Weight per pair,  $2\frac{1}{2}$  lbs.

**Unless otherwise specified on order Iron Wheels and Roll Bearings will be sent.**

*These Hangers are usually sold in sets for either single or pairs of doors. See page 64.*

### No. 110 HANGER

*Suitable for Doors weighing up to 100 lbs. each and used with Track No. 1.*

*Vertical Adjustment only.*



No. 110 Hanger  
Patented

No. 110 House Door Hanger has machined cast iron or fibre wheels, case hardened roll bearings. Cast iron pendant, steel adjusting screw, and stamped steel pendant plate  $1\frac{3}{8}$ " wide for attaching to top of door.

All screws furnished.

Price per pair, iron wheels and roller bearings **\$3.50**

Weight per pair,  $4\frac{1}{2}$  lbs.

Price per pair, fibre wheels and roller bearings **3.75**

Weight per pair,  $4\frac{1}{2}$  lbs.

**Unless otherwise specified on order Iron Wheels and Roll Bearings will be sent.**

*These Hangers are usually sold in sets for either single or pairs of Doors. See page 64.*

## Coburn House Door Hangers

### No. 0 TRACK SLEEVES AND ENDS

*For No. 0 Track Only*

A new line of brackets for No. 0 Track has been developed for attaching track to either side wall or overhead supports. This method cuts down the head room required and brings the center of the track close to this side wall for very thin doors. The sleeves are erected so that the joints of the track come in the center of the sleeves and the track is then slid into position and joints brought up tight. The ends are then put in track and screwed in place to keep the joints tight and to prevent the Door Hangers from coming out of the track, also to support the ends of the track.



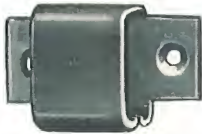
No. 0 Overhead Sleeve

**No. 0 Overhead Sleeve**—made of heavy sheet steel for fastening Track to an overhead support. One required at each joint.

Distance from overhead support to bottom of sleeve  $1\frac{11}{16}$ ".

Distance from wall to center of track  $\frac{21}{32}$ ".

Price each, including screws .....\$ .30



No. 0 Side Sleeve

**No. 0 Side Sleeve**—made of heavy sheet steel for fastening track to side wall. One required at each joint.

Distance from wall to center of track  $\frac{21}{32}$ ".

Over all height of sleeve  $1\frac{11}{16}$ ".

Price each, including screws .....\$ .30



No. 0 Overhead End

**No. 0 Overhead End**—made of cast iron. Fits in end of track and keeps the joints from opening up and the Hangers in track. Also supports the end of the track.

Distance from overhead support to the bottom of the end  $1\frac{11}{16}$ ".

From side wall to center of track  $\frac{21}{32}$ ".

Price per pair, including screws .....\$ .20



No. 0 Side End

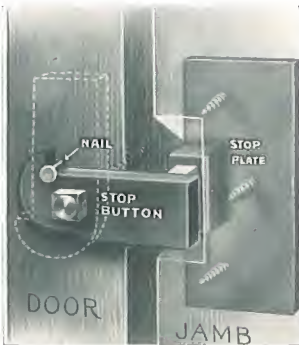
**No. 0 Side End**—made of cast iron. Fits in end of track and keeps the joints from opening up and the Hangers in the track. Also supports the end of the track.

Distance from side wall to center of track  $\frac{21}{32}$ ".

Distance from overhead support to bottom end  $1\frac{11}{16}$ ". Right and left end required for each end of track.

Price per pair, including screws .....\$ .20

## Sliding Door Stops and Floor Guides



Stop Button and Stop Plate

**Stop Buttons and Stop Plates**—necessary for pairs of doors only, to keep doors from coming out of pocket. Stop Button made of steel.

Stop Plate made of cast iron with soft rubber bumper.

Illustration shows the back edge of door from inside of pocket. The phantom of the stop plate shows the plate screwed to outside face of jamb. Dotted lines in white show position of stop button when lifted up to allow for removal and insertion of door.

Price per set of two.....\$ .40



No. 4 Floor Guide

**No. 4 Floor Guide**—made of cast iron 3" long x  $\frac{3}{8}$ " wide. Stands up  $\frac{13}{16}$ " from the floor. Should be fastened to the floor just inside the pocket and runs in a rebate plowed out of the bottom of the door.

Price each.....\$ .20

## Parts List of Coburn House Door Hangers



C-11 for No. 1 Track  
C-21 for No. 2 Track  
C-41 for No. 4 Track  
C-61 for No. 6 Track



C-13 for No. 1 Track  
C-23 for No. 2 Track  
C-43 for No. 4 Track  
C-63 for No. 6 Track



C-132 for No. 1 Track  
C-232 for No. 2 Track  
C-432 for No. 4 Track  
C-632 for No. 6 Track



C-133 for No. 1 Track  
C-233 for No. 2 Track  
C-433 for No. 4 Track  
C-633 for No. 6 Track

### CARRIERS

Carriers shown are standard for No. 1 Track and A size Hangers.

For other carriers, component parts and prices see Composition of Hangers pages 79 and 80.

Carriers can be furnished with fibre wheels.



P-1 for No. 1 Track  
P-21 for No. 2 Track  
P-41 for No's. 4 and 6 Track



P-4 for No. 1 Track  
P-24 for No. 2 Track  
P-44 for No. 4 Track  
P-64 for No. 6 Track



P-10 for No. 1 Track  
P-30 for No. 2 Track  
P-50 for No's. 4 and 6 Track



P-13 for No. 1 Track  
P-31 for No. 2 Track  
P-51 for No's. 4 and 6 Track

### PENDANTS

Pendants shown are standard, used with carriers for No. 1 Track and A size Hangers.

For other pendants and prices see Composition of Hangers pages 79 and 80.

### Adjusting Nuts



Adjusting Nuts are made in various sizes to suit the Door Hanger on which they are used.

See pages 79 and 80 for component parts.

### Lock Nuts



Lock Nuts are made in various sizes to suit the Door Hanger on which they are used.

See pages 79 and 80 for component parts.

### Ball Bearing Swivel Adjusting Nut



Ball Bearing Swivel Adjusting Nuts are made of steel in various sizes to suit the Door Hanger on which they are used.

See pages 79 and 80 for component parts.

## Columbian Carriers for Coburn Track

(Patented)

### For Use With No. 4 and No. 6 Track Only

These carriers can be substituted for the carriers furnished on any of the regular Coburn Line of Door Hangers for No. 4 and 6 Track only where long life and ease of operation are essential.

These carriers are designed to carry the same loads as the regular Coburn carriers but take about 2" more head room than is required on the regular line.

Wheels and body are made of the best grade cast iron. Bearings are hardened ball bearing and are the same as used on our No. 800 Door Hanger (See page 77) and are almost frictionless. Pendant is of forged steel.



Patented  
No. 841 for No. 4 Track  
No. 861 for No. 6 Track  
Cut Shows No. 841



Patented  
No. 842 for No. 4 Track  
No. 862 for No. 6 Track  
Cut Shows No. 842

### PRICES OF HARDWARE

No. 841—C	Per pair.....	\$12.00
No. 841—D	Per pair.....	10.00
No. 842—C	Per pair.....	16.00
No. 842—D	Per pair.....	14.00

# Coburn House Door Hangers

## PRICE LIST FOR HOUSE DOOR HANGER SETS Nos. 100, 104, 105, 110

A set for single door comprises one pair of Door Hangers and necessary track for the widths of openings as specified in tables below and one No. 4 Floor Guide with all screws necessary to erect the set. A set for a pair of doors comprises two pairs of Door Hangers and necessary track for a pair of Doors sliding in opposite directions on a single run of track for this width of opening as specified in the tables below, and two No. 4 Floor Guides, two stop buttons and two stop plates with all screws necessary to erect the set.

Price List of Sets of No. 100 Door Hangers

SINGLE DOORS				PAIR OF DOORS			
No.	Size of Opening	List	Weight	No.	Size of Opening	List	Weight
100-2½-S	2 ft. 6 in.	\$4.00	15 lbs.	100-4-P	4 ft. 0 in.	\$7.25	24½ lbs.
100-3-S	3 " 0 "	4.00	17½ "	100-4½-P	4 " 6 "	7.50	27 "
100-3½-S	3 " 6 "	4.50	20 "	100-5-P	5 " 0 "	8.00	29½ "
100-4-S	4 " 0 "	5.25	22½ "	100-5½-P	5 " 6 "	8.00	32 "
100-4½-S	4 " 6 "	5.50	25 "	100-6-P	6 " 0 "	8.00	34½ "
100-5-S	5 " 0 "	6.00	27½ "	100-6½-P	6 " 6 "	8.25	37 "
100-5½-S	5 " 6 "	6.00	30 "	100-7-P	7 " 0 "	8.50	39½ "
100-6-S	6 " 0 "	6.00	32½ "	100-7½-P	7 " 6 "	8.75	42 "
100-6½-S	6 " 6 "	6.25	35 "	100-8-P	8 " 0 "	9.00	44½ "
100-7-S	7 " 0 "	6.50	37½ "	100-8½-P	8 " 6 "	9.50	47 "
100-7½-S	7 " 6 "	7.00	40 "	100-9-P	9 " 0 "	10.00	49½ "
100-8-S	8 " 0 "	7.25	42½ "	100-9½-P	9 " 6 "	10.25	52 "
				100-10-P	10 " 0 "	10.50	55 "

Price List of Sets of No. 104 Door Hangers

104-2½-S	2 ft. 6 in.	\$4.00	16½ lbs.	104-4-P	4 ft. 0 in.	\$7.25	28 lbs.
104-3-S	3 " 0 "	4.00	19 "	104-4½-P	4 " 6 "	7.50	30½ "
104-3½-S	3 " 6 "	4.50	21½ "	104-5-P	5 " 0 "	8.00	33 "
104-4-S	4 " 0 "	5.25	24 "	104-5½-P	5 " 6 "	8.00	35½ "
104-4½-S	4 " 6 "	5.50	26½ "	104-6-P	6 " 0 "	8.00	38 "
104-5-S	5 " 0 "	6.00	29 "	104-6½-P	6 " 6 "	8.25	40½ "
104-5½-S	5 " 6 "	6.00	30½ "	104-7-P	7 " 0 "	8.50	43 "
104-6-S	6 " 0 "	6.00	34 "	104-7½-P	7 " 6 "	8.75	45½ "
104-6½-S	6 " 6 "	6.25	36½ "	104-8-P	8 " 0 "	9.00	48 "
104-7-S	7 " 0 "	6.50	39 "	104-8½-P	8 " 6 "	9.50	50½ "
104-7½-S	7 " 6 "	7.00	41½ "	104-9-P	9 " 0 "	10.00	53 "
104-8-S	8 " 0 "	7.25	44 "	104-9½-P	9 " 6 "	10.25	55½ "
				104-10-P	10 " 0 "	10.50	58 "

Price List of Sets of No. 105 Door Hangers

105-2½-S	2 ft. 6 in.	\$4.00	16½ lbs.	105-4-P	4 ft. 0 in.	\$7.25	28 lbs.
105-3-S	3 " 0 "	4.00	19 "	105-4½-P	4 " 6 "	7.50	30½ "
105-3½-S	3 " 6 "	4.50	21½ "	105-5-P	5 " 0 "	8.00	33 "
105-4-S	4 " 0 "	5.25	24 "	105-5½-P	5 " 6 "	8.00	35½ "
105-4½-S	4 " 6 "	5.50	26½ "	105-6-P	6 " 0 "	8.00	38 "
105-5-S	5 " 0 "	6.00	29 "	105-6½-P	6 " 6 "	8.25	40½ "
105-5½-S	5 " 6 "	6.00	30½ "	105-7-P	7 " 0 "	8.50	43 "
105-6-S	6 " 0 "	6.00	34 "	105-7½-P	7 " 6 "	8.75	45½ "
105-6½-S	6 " 6 "	6.25	36½ "	105-8-P	8 " 0 "	9.00	48 "
105-7-S	7 " 0 "	6.50	39 "	105-8½-P	8 " 6 "	9.50	50½ "
105-7½-S	7 " 6 "	7.00	41½ "	105-9-P	9 " 0 "	10.00	53 "
105-8-S	8 " 0 "	7.25	44 "	105-9½-P	9 " 6 "	10.25	55½ "
				105-10-P	10 " 0 "	10.50	58 "

Price List of Sets of No. 110 Door Hangers

110-2½-S	2 ft. 6 in.	\$4.25	17 lbs.	110-4-P	4 ft. 0 in.	\$8.00	30 lbs.
110-3-S	3 " 0 "	4.25	19½ "	110-4½-P	4 " 6 "	8.25	32½ "
110-3½-S	3 " 6 "	5.00	22 "	110-5-P	5 " 0 "	8.50	35 "
110-4-S	4 " 0 "	5.50	24½ "	110-5½-P	5 " 6 "	8.50	37½ "
110-4½-S	4 " 6 "	6.00	27 "	110-6-P	6 " 0 "	8.50	40 "
110-5-S	5 " 0 "	6.25	29½ "	110-6½-P	6 " 6 "	8.75	42½ "
110-5½-S	5 " 6 "	6.25	32 "	110-7-P	7 " 0 "	9.00	45 "
110-6-S	6 " 0 "	6.25	34½ "	110-7½-P	7 " 6 "	9.50	47½ "
110-6½-S	6 " 6 "	6.50	37 "	110-8-P	8 " 0 "	10.00	50 "
110-7-S	7 " 0 "	7.00	39½ "	110-8½-P	8 " 6 "	10.25	52½ "
110-7½-S	7 " 6 "	7.25	42 "	110-9-P	9 " 0 "	10.50	55 "
110-8-S	8 " 0 "	7.50	44½ "	110-10-P	10 " 0 "	12.25	60 "



# Hangers For Wardrobe Doors

## No. 356 STYLE DOOR HANGER

Special Hangers for Attaching to top of Wardrobe Doors in School, etc.

*Designed for Doors Weighing from 100 to 300 lbs.*

*Vertical Adjustment Only. For No. 1 and No. 2 Track Only.*

These hangers are made especially for thin doors where a strong, small hanger is desired as on wardrobe doors in school houses. The hangers are strong and will withstand heavy usage for doors of this character.



No. 356-456  
Patented

**Wheels**—Machined cast iron.

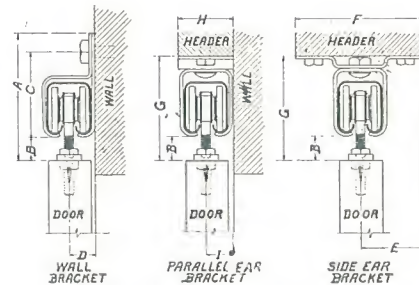
**Bearings**—No. 356 has case hardened Roller Bearing Carrier.  
No. 456 has hardened ball bearing Carrier.

**Pendant**—Steel.

**Pendant Plate**—Stamped steel, 1" wide.

**Adjusting and Lock Nuts**—Standard hexagonal steel.

**Packed**—One pair in a box with screws for attaching to top of door.



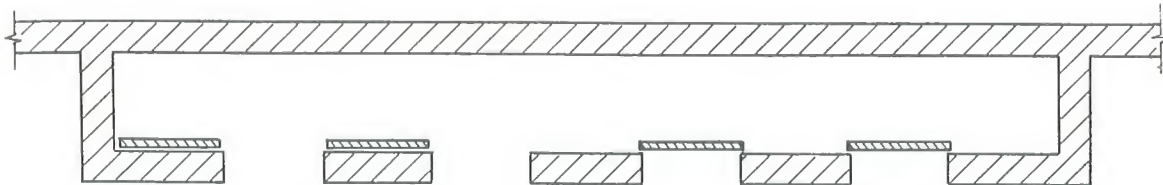
Dimension Diagram

## DOOR AND HARDWARE DATA

Size	Track No.	Weight of Door Lbs.	Min. Thickness of Door Inches	A		B		C	D	E	F	G		H	I
				Min.	Max.	Min.	Max.					Min.	Max.		
A	1	100	1	5	6 1/8	3/4	1 7/8	3 1/2	1 1/16	2 5/8	5 1/4	4	5 1/8	2 1/4	1 1/16
B	2	150	1	6 5/16	7 1/2	3/4	1 7/8	4 3/4	1 1/16	2 5/8	5 1/4	5 5/16	6 1/2	2 1/4	1 1/16

## PRICE LIST OF HARDWARE

Hanger No.	Price Each	Weight
356	\$1.60	1 1/2 lbs.
456	1.60	1 1/2 lbs.



Plan of Wardrobe Showing the Application of this Style Door Hanger

These doors are hung in a single run of track and connected at or near the top with a light channel or angle iron so that when one door opens they all open at the same time. The doors should lap the opening at least 1" on each side. No. 356 Floor Guide should be attached to the floor at the bottom corner of each door to keep the doors in position at the bottom. (See page 34.)

A flat chafe strip should be attached to the bottom of the door on each side to rub against the Floor Guide and walls so as not to mar the finish on the face of the door. (See page 34.)

The lengths of the chafe strips should equal the width of the door.

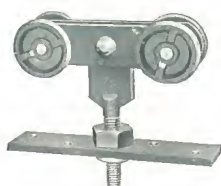
# Straight Sliding Partition Hangers

## No. 150 STYLE DOOR HANGER

For Straight Sliding Partition Doors. Weighing from 300 to 900 lbs.

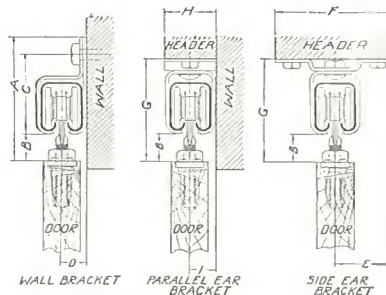
*Has Vertical Adjustment Only—For Track Nos. 1, 2, 4 and 6*

This hanger is for use on straight sliding doors running parallel to each other and sliding into a pocket or not, as desired. This type of partition is often used for dividing large rooms into smaller ones where sliding, folding or accordion doors cannot be used. The hangers are fastened to the top of the door, one pair to each door.



No. 150-250  
Patented

**Wheels**—Machined cast iron.  
**Bearings**—Roller, case hardened.  
**Pendant Plate**—Drop forged steel.  
**Adjusting and Lock Nuts**—Machined cold rolled steel.  
**Pendant**—Drop forged steel.  
**Packed**—One pair in a box with screws for attaching to top of door.



Dimension Diagram

## No. 250

Same as No. 150 except carrier has ball bearings.

## DOOR AND HARDWARE DATA—No. 150-250

Size	No. Track	Weight of Door Lbs.	Min. Thickness of Door Inches	A		B		C	D	E	F	G		H	I
				Min.	Max.	Min.	Max.					Min.	Max.		
A	1	300	1½	5¼	7⅞	1	2⅞	3½	1⅛	2⅝	5¼	4¼	6⅛	2¼	1⅛
B	2	500	1½	6¼	7⅞	¾	2⅜	4¾	1⅛	2⅝	5¼	5⅛	6⅛	2¼	1⅛
C	4	900	2	7¼	9	⅞	2⅝	5½	1⅛	3⅜	6⅜	6⅛	7⅞	3¼	1⅛
D	6	700	2	7⅞	8⅞	1⅜	2⅛	5⅛	1⅜	3	6	5⅞	7⅞	3	1½

## PRICE LIST OF HARDWARE

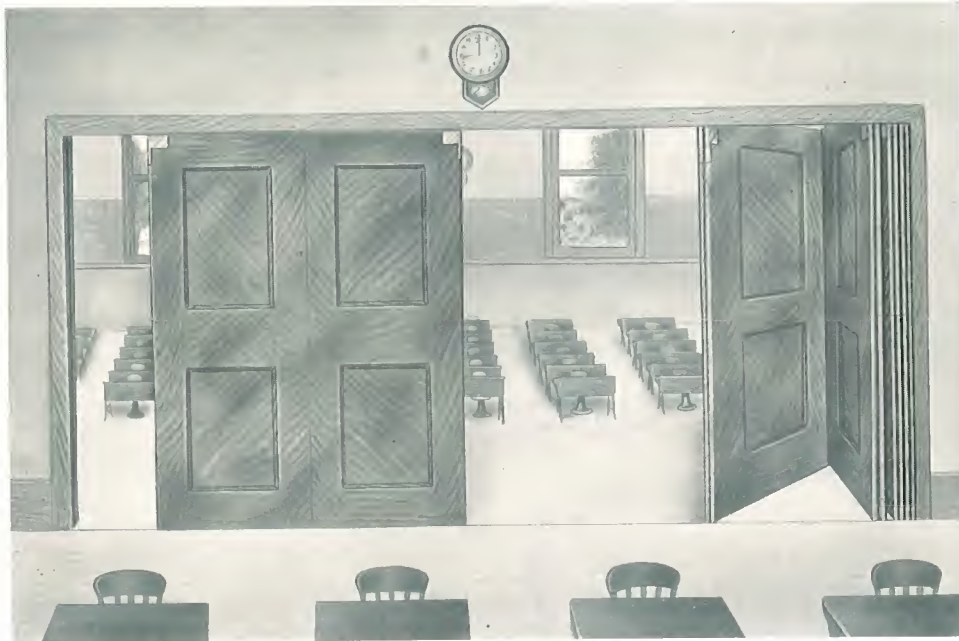
No.	A Size for No. 1 Track		B Size for No. 2 Track		C Size for No. 4 Track		D Size for No. 6 Track	
	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight
150	\$3.50	5 lbs.	\$4.25	7 lbs.	\$6.75	11 lbs.	\$6.00	9½ lbs.
250	3.50	5 lbs.	4.25	7 lbs.	6.75	11 lbs.	6.00	9½ lbs.

For Price List of Track see page 27.

For Price List of Brackets see pages 28 to 31.

## Folding Partition Hangers and Hardware

For use in Schools, Churches, Parish Houses, Community Houses, etc.



### HARDWARE FOR FOLDING PARTITIONS

This type of partition is especially useful where it is desired to make two or more small rooms into one large room for assembly and other purposes. Unlike the accordion type of door, one hanger is placed on one end of each of a pair of doors. They also have the advantage of projecting only on one side of the side of the opening leaving the other side clear. In this way they will not interfere with columns or posts which they may have to slide past. They may be arranged to fold to either side, or, part on side and part on the other.

### GENERAL OPERATION OF DOORS

In general, the doors are hung in pairs and the first pair nearest the jamb is folded together and pushed back against the wall or into a pocket.

The next pair is then pushed into the position originally occupied by the first pair, folded together and pushed back against the first pair. This is repeated as many times as there are pairs of doors. If the door next to the jamb is pivoted, simply fold the first pair together and proceed as above.

### FINISHED BUILDERS' HARDWARE

We do not manufacture Finished Hardware, but will furnish same if desired at market prices.

*In ordering specify the manufacturer, number and finish desired*

**Pivot Hinges**—Can be furnished when door next to jamb is pivoted.

**Butts**—Either butts or concealed hinges can be used as specified.

**Flush Door Pulls**—Any standard make can be furnished as specified. One for each sliding door should be used for opening and closing.

### DOOR SPECIFICATIONS

Doors should be included with the interior trim contract. They may be made in any design desired but should *not* exceed three feet in width or they will be apt to sag and bind.

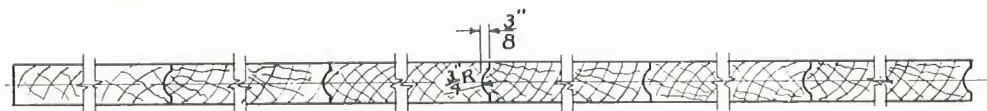
They should not be less than  $1\frac{3}{4}$ " thick. If made thinner special hardware will be required for which an extra charge will be made.

Doors up to 12 ft. high should be at least  $1\frac{3}{4}$ " thick.

Doors up to 15 ft. high should be at least  $2\frac{1}{4}$ " thick.

Doors over 15 ft. high should be at least three inches thick. In no case should a single door weigh over 200 lbs.

Note—Our Pendant Plates are made with rabbets, male and female to match standard detail of rabbet shown below. If rabbet is detailed otherwise than standard, an extra charge will be made and there will be delay on account of making special patterns.



Horizontal Section through Doors Showing Standard Detail of Rabbet

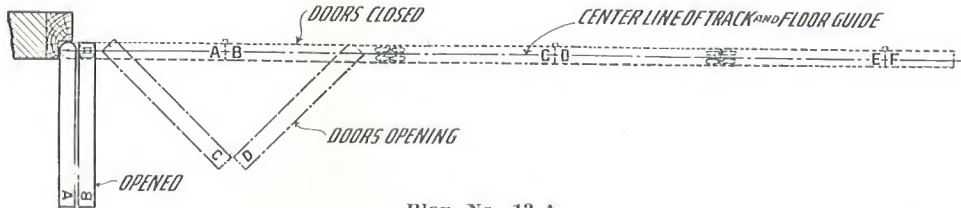
# Folding Partition Hangers and Hardware

## TYPICAL ARRANGEMENTS OF DOORS

Any of the large doors may have a pass door so that either room is easily accessible without operating the large doors. Where a pass door is used the large door should have a steel reinforcing strip across the bottom to keep the pass door from binding and the large door in shape. Care must be taken to have each door of every pair the same width and the meeting stiles must be square and parallel. Any regular finishing carpenter with a little care can hang these doors so they will operate in a very satisfactory manner.

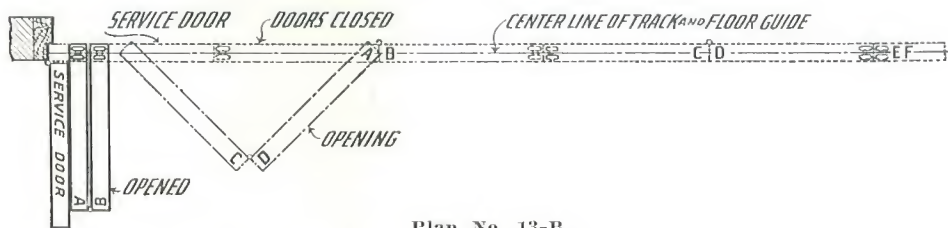
The rabbet strip on the head jamb, on one side of the door, goes clear across the opening and on the other side all the way across, except at the point where the doors fold together where a section must be left out.

### PLANS



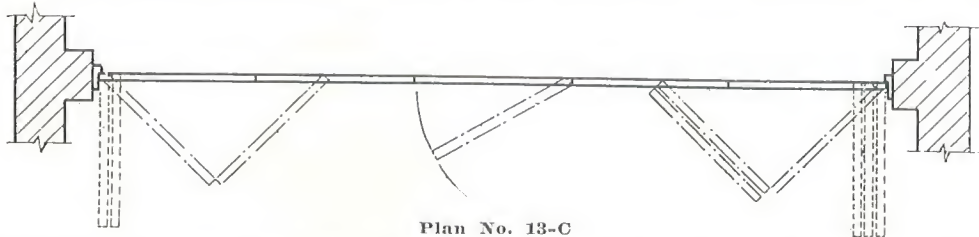
Plan No. 13-A

The above plan shows the door next to the jamb pivoted and shows plainly how the second pair of doors are operated by pushing into the space occupied by the first pair after same have been folded together.



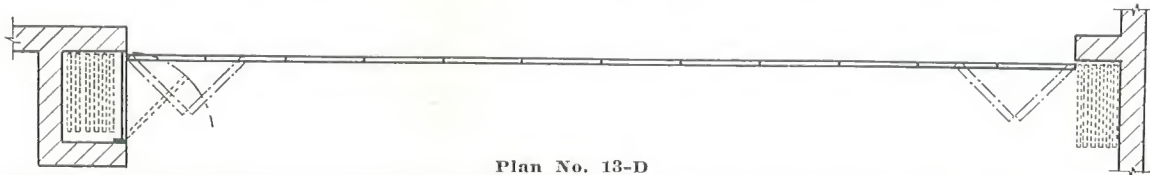
Plan No. 13-B

The above plan shows the door next to the jamb a service door and also the operation of the balance of the doors.



Plan No. 13-C

The above plan shows the two doors on the left pivoted and hung two on a jamb. The doors on the right are hung three on a jamb and the third door from the jamb is used as a service door and requires no door hanger. As many pairs of doors can be hung in between as are required to close the opening.



Plan No. 13-D

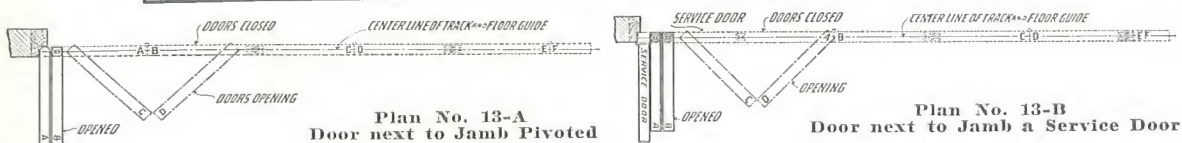
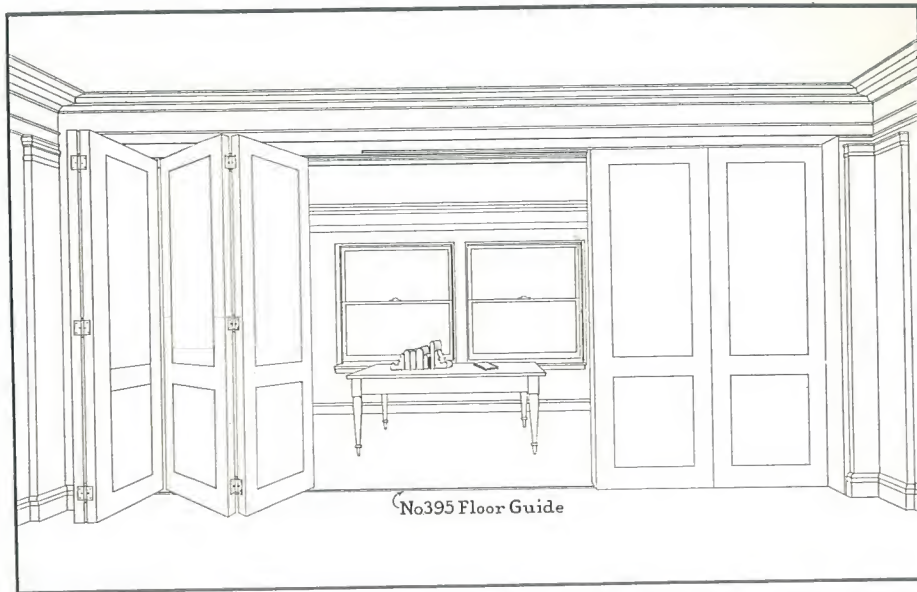
The above plan shows the doors on the left folded back into a pocket and the same closed by a swing door. The doors on the right are folded back behind a blind wall. This also shows how the doors slide by a column, should it be necessary to have one in the center of the opening.

The above plans cover the ordinary installations of this kind but same can be varied to suit your conditions. All the doors can be made to fold back at one side or part one side and part the other.

### PRICE OF HARDWARE

Door Hanger				Floor Guide	Guide Roll	Pressure Pad
No.	Track No.	Max. Wt. of Door	Price per Pair	Price per Foot	Price Each	Price Set of 3
397-4	4	500 lbs.	\$12.00	\$1.00	\$1.20	\$2.00
397-6	6	400 lbs.	11.00	1.00	1.20	2.00

## Folding Partition Hardware



Combination slide and swing door which slide and swing to the side as shown above, can be used where doors have to slide by a column. For use where it is desirable to subdivide a large room. With this style outfit it is necessary to use **No. 395 Door and Floor Guide**. (See page 33) which has to be let into the floor.

Any number of doors may be used to close opening and all may be made to fold back to one side or part one side and part to the other side.

Doors are hung in pairs and one **No. 395 Door Hanger** and one **No. 395 Guide Roll** (see page 33), is required for each door not pivoted or used as a service door.

Rabbet Strip on one side can go clear across opening at the top but on other side a section must be left out at point where doors fold together.

**Operation**—In opening if hung as shown in plan No. 13-A above, fold the doors marked A and B together or if hung as shown in plan No. 13-B above, open the service door and slide doors A and B towards service door, fold together and push back against the service door, next push doors C and D as far toward jamb as possible and fold together until all pairs of doors are in the open position.

A judicious placing of foot bolts, say one for each pair of doors at the hinged side make this almost as rigid as a built-in partition. Each door of a pair must be the same width and the meeting stiles must be square and parallel.

**For Accordion Doors which we recommend as preferable see page 74.**

We recommend the use of **No. 395** style door hanger on this layout, although **No. 388** may be used. List of hardware required for doors as shown above:

Track, 1 run (length equal to the width of the opening), see page 27.

Brackets, 1 pair of end parallel ear brackets and enough center parallel ear brackets so that the spacing will not be over **4 to 5 feet on centers** except the first three brackets next to the jamb on which the doors fold which should be spaced not over **2 to 2½ feet on centers** see pages 28 to 31 inclusive.

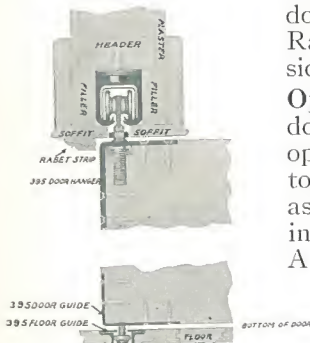
Door Hangers, 1 for each door, except service doors.

**No. 395**, see page 15. **No. 388**, see page 73.

Guide Roll, 1 **No. 395** for each door not pivoted or used as a service door. See page 33.

Floor Guide, 1 run **No. 395** (length equal to the width of the opening). See page 33.

Hinges, foot bolts, lock sets and other trim not included in the above list.

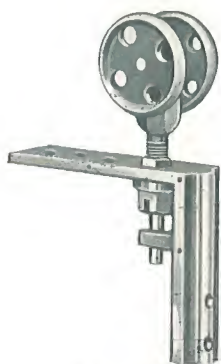


# Folding Partition Hangers and Hardware

## No. 497 DOOR HANGER

Designed for Folding Partition Doors Weighing not over 500 lbs. each

*Has Vertical Adjustment Only—For Nos. 4 and 6 Track only.*



No. 497  
Patented

This Hanger is designed especially for this type of door and is made rigid and extra heavy and allows the doors to be easily operated.

**Wheels**—Machined cast iron.

**Bearings**—Hardened steel ball bearings.

**Pendant**—Drop forged steel.

**Adjusting Nut**—Machined cold rolled steel ball bearing swivel.

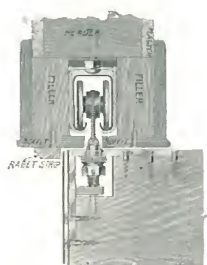
**Lock Nut**—Castellated, with cotter pin.

**Petticoat**—Heavy brass castings, polished on all exposed surfaces and with rabbets cast solid on the back so that it matches that on door. Also supports the pendant down from the top allowing little lost motion in operating the doors. Petticoat fastened to top and edge of door with large flat head brass screws.

**Cover Plates**—Polished brass for covering corner of door cut out for making adjustments of hanger. One door hanger required for each door not pivoted or used as a service door. As the rabbets are cast into the petticoat, they should be ordered in pairs.

Price per pair, including screws and cover plates, No. 4 Track \$12.00

Price per pair, including screws and cover plates, No. 6 Track 11.00



Vertical Section Through  
Door Header and Floor  
Shows doors in folded  
position with corners  
cut out

## NO. 497 FLOOR GUIDE

Should be set directly under the center of the track and extend the full width of the opening, plus the distance the doors slide past the side of the opening on each side.

Made with steel channel with brass top plate which comes flush with the finished floor and is fastened to same.

The guide made of channel steel will last indefinitely; anchors may be provided for setting in concrete.

Price per foot, including screws and anchor plates when ordered.

\$1.00

## TRACK AND BRACKETS

Either No. 4 or No. 6 Track and Brackets are furnished as required.

Note—The brackets should not be spaced over 2 ft. on centers and should be fastened securely to the header. The track should be level and in line. Any type of bracket may be used as best suits the requirements.

Length of track should equal the width of the opening plus the amount the doors travel past each side of the opening.

For Price List of Track see Page 27.

For Price List of Brackets see Pages 28 to 31.

## No. 497 GUIDE ROLL



No. 497 Guide Roll

This is let into the bottom of the door so that, when the doors are in the open position, the edges stand plumb.

It is made of steel throughout, with hardened bearing surfaces and hardened steel ball bearings.

Each door which has a Door Hanger at the top should have a Guide Roller directly under the hanger let into the bottom of the door.

Price including screws.

\$1.50

## No. 497 PRESSURE PAD

Made of brass and has rubber tip to prevent marring of the finish against which it presses. It is also backed up by a stiff spring for keeping the doors together, when closed, by pressing against the door jamb. It also compensates for the shrinking and swelling of the doors due to climatic changes.

Three pads should be used on the edge of doors against the jambs. They are let into the edge of the door 18" from the top and bottom and one-half way between, to press against the jamb.

Not made for doors less than 1 3/4" thick.

Price per set of three.

\$2.10



No. 497 Pressure Pad

# Folding Partition Door Hangers

## No. 388 STYLE DOOR HANGER

Designed for Folding Partition Doors—Weighing from 200 to 500 lbs. each. These Doors Slide and Fold to the Side

*Has Vertical Adjustment Only—For Nos. 1, 2, 4, and 6 Track.*

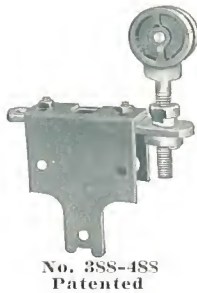
*Not recommended for doors over three feet wide.*

This hanger is made in four sizes to accommodate doors of various thicknesses and weights. One hanger is required for each door.

It is necessary to use No. 388 Door Guide and No. 395 Floor Guide (see page 33) which will have to be let into the floor, in conjunction with this style door hanger.

See also No. 395 Style Door Hanger page 15 and No. 497 Style Door Hanger (page 72) which we recommend for this type of layout.

### No. 388



**Wheels**—Machined cast iron.

**Bearings**—Roller, case hardened.

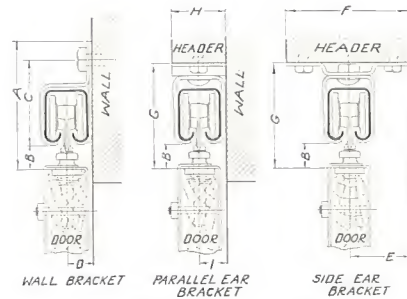
**Pendant**—Drop forged steel.

**Pendant Plate and Petticoats**—Stamped steel.

**Adjusting Nut**—Machined cold rolled steel, ball bearing swivel.

**Lock Nut**—Steel.

**Packed**—With through bolts for attaching petticoats to doors and flat head screws for fastening pendant plates.



Dimension Diagram

### No. 488

Same as No. 388 except that carrier has ball bearings.

### DOOR AND HARDWARE DATA—No. 388-488

Size	Track No.	Weight of Door Lbs.	Thickness of Door Inches	A		B		C	D	E	F	G		H	I
				Min.	Max.	Min.	Max.					Min.	Max.		
A	1	200	1½	5⅛	6⅞	7⁄8	2¾	3½	1⅛	2⅝	5¼	4⅛	6	2¼	1⅛
B	2	300	1½	6⅞	8⅝	1⅝	2¾	4¾	1⅛	2⅝	5¼	5½	7⅝	2¼	1⅛
C	4	500	2	7½	10¼	1⅞	3⅛	5½	1⅛	3⅛	6⅜	6⅜	9⅛	3¼	1⅛
D	6	400	2	7⅞	8⅞	1⅞	2⅞	5⅞	1⅞	3	6	5⅞	7⅞	3	1½

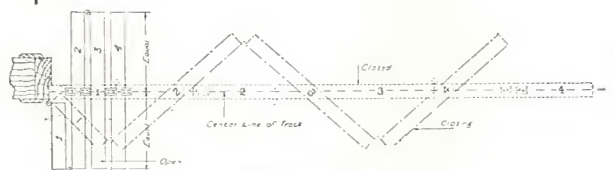
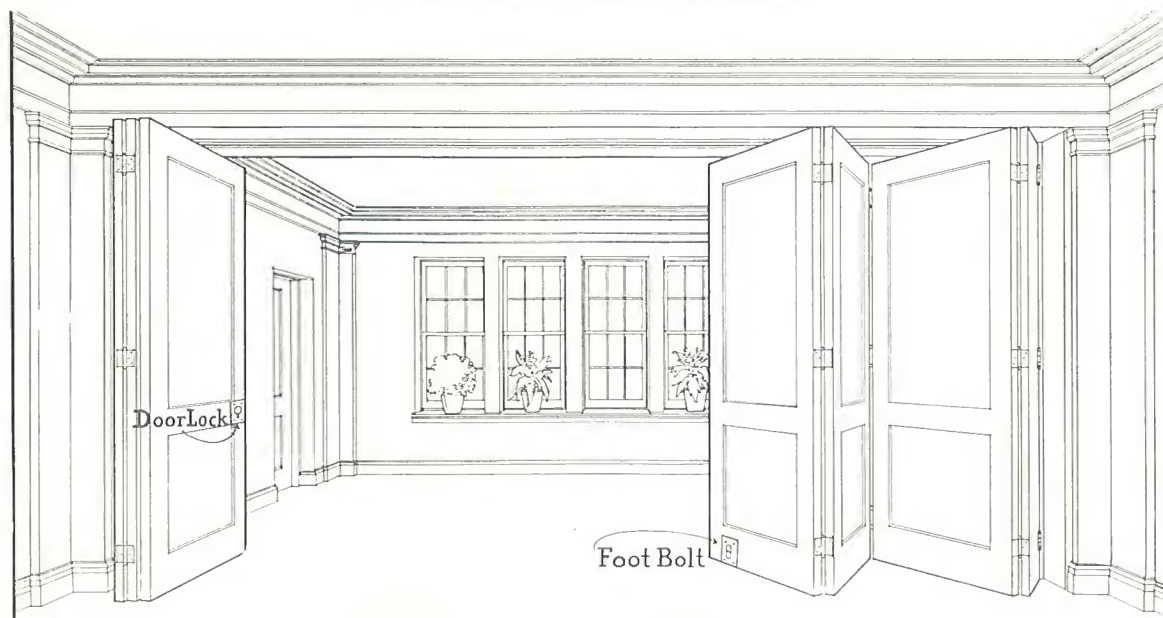
### PRICE LIST OF HARDWARE

No.	A Size for No. 1 Track		B Size for No. 2 Track		C Size for No. 4 Track		D Size for No. 6 Track	
	Price Each	Weight	Price Each	Weight	Price Each	Weight	Price Each	Weight
388	\$1.95	3 lbs.	\$2.60	4 lbs.	\$4.55	6½ lbs.	\$3.90	6 lbs.
488	1.95	3 lbs.	2.60	4 lbs.	4.55	6½ lbs.	3.90	6 lbs.

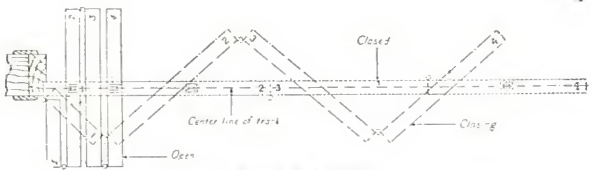
For Price List of Track see page 27.

For Price List of Brackets see pages 28 to 31.

## Accordion Doors



Plan No. 12A

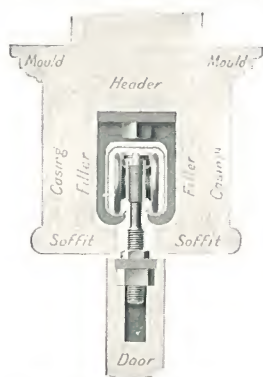


Plan No. 12B

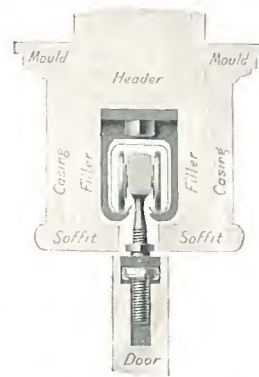
Accordion doors for use where it is desirable to subdivide large rooms. Any number of doors may be hung on a jamb and all may be made to open to one side or part one side and part the other. In no case should the individual doors be over **4 feet wide**. The door next to the jamb should be  $\frac{1}{2}$

as wide as the full width doors **minus the distance from the center of the track to the center of the butt pivot**. (See plans above.) All full width doors must be the same width and the meeting stiles must be square and parallel.

We recommend the use of **No. 350** Style door hangers (See page 76) but on very thin, light doors, **No. 375** style; (See page 75) may be used. This type of door requires no floor guide and makes a neat, substantial outfit. A foot bolt should be put on the corner of each door that has a door hanger; by doing this you make a partition almost as solid as though it were built in.



No. 350 Patented



No. 375 Patented

For size of track and door hanger to use see detailed information under door hangers. See pages 75 and 76.

List of hardware required for doors as shown above:

Track, 1 run (length equal to the width of the opening). See page 27.

Brackets, 1 pair end parallel ear brackets and enough center parallel ear brackets so that the spacing will not be over **4 to 5 feet on centers** except the first three brackets next to the jamb on which the doors fold which should be spaced not over **2 to 2½ feet on centers**. See pages 28 to 31.

Door Hangers, 1 door hanger either **No. 350**, see page 76 or **No. 375**, see page 75, is required for every other door starting at door marked No. 2 in plans above.

Minimum distance between doors when folded back.

No. 350				No. 375			
Size	C. to C. Doors	Size	C. to C. Doors	Size	C. to C. Doors	Size	C. to C. Doors
A	$2\frac{1}{8}$	C	$3\frac{7}{8}$	A	$1\frac{1}{4}$	C	$1\frac{3}{4}$
B	$3\frac{1}{8}$	D	$3\frac{1}{8}$	B	$1\frac{1}{2}$	D	$1\frac{1}{2}$

# Accordion Door Hangers

## No. 375 STYLE DOOR HANGER

For Accordion Doors of Folding Partitions—Doors Weighing 200 to 600 lbs.

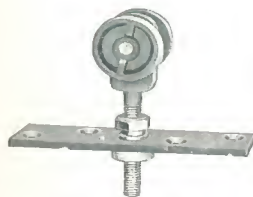
See page 73 for Details and Description of Accordion Doors

Has Vertical Adjustment Only—For Tracks 1, 2, 4, and 6.

Not recommended for doors over three feet wide.

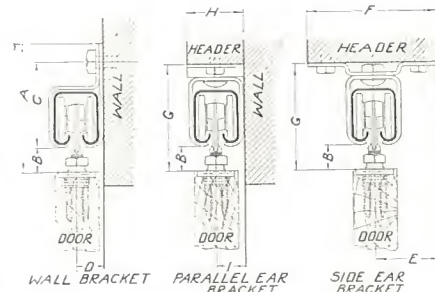
This is a lighter type hanger than No. 350 and has only a single pair of wheels. Used for medium weight doors and for less expensive installations. For best grade work we recommend No. 350 hanger. Any number of doors may be used to close opening and one door hanger for every other door will be required.

### No. 375



No. 375-475  
Patented

**Wheels**—Machined cast iron.  
**Bearings**—Roller, case hardened.  
**Pendant**—Drop forged steel.  
**Adjusting Nut**—Machined cold rolled steel, ball bearing swivel.  
**Lock Nut**—Steel.  
**Pendant Plate**—Stamped steel.  
**Packed**—One pair in a box with screws for attaching hanger to door.



Dimension Diagram

### No. 475

Same as No. 375 except that carrier has ball bearings.

## DOOR AND HARDWARE DATA

Size	Track No.	Weight of Door Lbs.	Min. Thickness of Door Inches	A		B		C	D	E	F	G		H	I
				Min.	Max.	Min.	Max.					Min.	Max.		
A	1	200	1 1/2	5 1/8	6 7/8	7/8	2 3/4	3 1/2	1 1/16	2 5/8	5 1/4	4 1/8	6	2 1/4	1 1/16
B	2	400	1 1/2	6 7/16	8 5/16	1 5/16	2 3/4	4 3/4	1 1/16	2 5/8	5 1/4	5 1/2	7 3/8	2 1/4	1 1/16
C	4	600	2	7 1/2	10 1/4	1 1/8	3 15/16	5 1/2	1 1/16	3 3/16	6 3/8	6 3/8	9 1/8	3 1/4	1 1/16
D	6	500	2	7 1/8	8 3/8	1 3/16	2 7/16	5 1/16	1 15/16	3	6	5 7/8	7 1/8	3	1 1/2

## PRICE LIST OF HARDWARE (IRON WHEELS)

No.	A Size for No. 1 Track		B Size for No. 2 Track		C Size for No. 4 Track		D Size for No. 6 Track	
	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight
375	\$2.60	2 1/2 lbs.	\$3.25	3 1/2 lbs.	\$4.55	5 1/2 lbs.	\$3.90	5 lbs.
475	\$2.60	2 1/2 lbs.	\$3.25	3 1/2 lbs.	\$4.55	5 1/2 lbs.	\$3.90	5 lbs.

## FIBRE WHEEL CARRIERS

For No. 1 Track Single  
 For No. 1 Track Double  
 For No. 2 Track Single  
 For No. 2 Track Double

\$ .25 per pair additional  
 .50 per pair additional  
 .50 per pair additional  
 1.00 per pair additional

For Price List of Track see page 27.

For Price List of Brackets see pages 28 to 31.

# Accordion Door Hangers

## No. 350 STYLE DOOR HANGER

For Accordion Doors of Folding Partitions—Doors Weighing from 300 to 900 lbs.

See page 73 for Details and Descriptions of Accordion Doors

Has Vertical Adjustment Only—For Tracks 1, 2, 4 and 6.

Not recommended for doors over three feet wide.

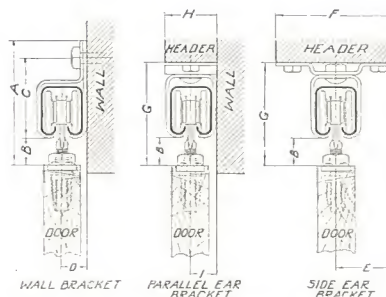
This is a swivel type door hanger for use on accordion doors. Any number of doors may be used to close an opening. One hanger for every other door will be required.



No. 350-450  
Patented

### No. 350

**Wheels**—Machined cast iron.  
**Bearings**—Roller, case hardened.  
**Pendant**—Ball bearing swivel, machined cold rolled steel.  
**Pendant Plate**—Stamped steel.  
**Adjusting Nut**—Cast iron.  
**Lock Nut**—Steel.  
**Packed**—One pair in a box with screws for attaching to top of door.



Dimension Diagram

### No. 450

Same as No. 350 except carrier has ball bearings.

### DOOR AND HARDWARE DATA—No. 350-450

Size	Track No.	Weight of Door Lbs.	Thickness of Door Inches	A		B		C	D	E	F	G		H	I
				Min.	Max.	Min.	Max.					Min.	Max.		
A	1	300	1 1/4	5	6 1/4	3/4	2	3 1/2	1 1/16	2 5/8	5 1/4	4	5 1/4	2 1/4	1 1/16
B	2	500	1 1/4	6 5/16	7 9/16	3/4	2	4 3/4	1 1/16	2 5/8	5 1/4	5 5/16	6 9/16	2 1/4	1 1/16
C	4	900	1 3/4	7 1/4	8 1/4	7/8	1 7/8	5 1/2	1 11/16	3 3/16	6 3/8	6 1/8	7 1/8	3 1/4	1 11/16
D	6	700	1 3/4	6 13/16	7 11/16	7/8	1 3/4	5 1/16	1 13/32	3	6	5 9/16	6 7/16	3	1 1/2

### PRICE LIST OF HARDWARE

No.	A Size for No. 1 Track		B Size for No. 2 Track		C Size for No. 4 Track		D Size for No. 6 Track	
	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight	Price per Pair	Weight
350	\$3.75	5 lbs.	\$4.50	7 lbs.	\$7.00	11 lbs.	\$6.25	9 1/2 lbs.
450	3.75	5 lbs.	4.50	7 lbs.	7.00	11 lbs.	6.25	9 1/2 lbs.

For Price List of Track see page 27.

For Price List of Hangers see page 28 to 31.

## Hangers For Gates, Grilles and Hollow Metal Doors

These hangers are for use on the top of sliding doors and gates, etc. They do not have petticoats but have a pendant plate for screwing to the top of the door. They can be used on thin doors, as the pendant plate is only  $\frac{3}{4}$ " wide. They are especially useful on metal gates, grilles and hollow metal doors.

### No. 355 STYLE DOOR HANGER

*Has Vertical Adjustment Only—Used for No. 1 and No. 2 Track Only.*



No. 355-455  
Patented

#### No. 355

**Wheels**—Machined cast iron

**Bearings**—Roller, case hardened.

**Pendant**—Machined, cold rolled steel ball bearing swivel.

**Adjusting and Lock Nuts**—Cold rolled steel.

**Pendant Plate**—Stamped steel  $\frac{3}{4}$ " wide, for attaching to top of door.

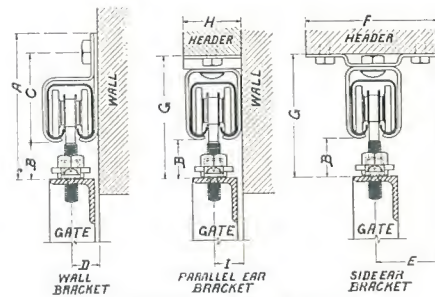
**Packed**—One pair in a box.

**Price per Pair** **\$3.00**

#### No. 455

This is the same as No. 355 except that carrier has ball bearings.

Price same as No. 355.



Dimension Diagram

### DOOR AND HARDWARE DATA

Size	Track No.	Weight of Door Lbs.	Minimum Thickness of Door Inches	A		B		C	D	E	F	G		H	I
				Min.	Max.	Min.	Max.					Min.	Max.		
A	1	100 lbs.	$\frac{3}{4}$ "	$5\frac{7}{16}$	$6\frac{11}{16}$	$1\frac{3}{16}$	$2\frac{7}{16}$	$3\frac{1}{2}$	$1\frac{1}{16}$	$2\frac{5}{8}$	$5\frac{1}{4}$	$4\frac{7}{16}$	$5\frac{11}{16}$	$2\frac{1}{4}$	$1\frac{1}{16}$
B	2	150 lbs.	$\frac{3}{4}$ "	$6\frac{3}{4}$	8	$1\frac{3}{16}$	$2\frac{7}{16}$	$4\frac{3}{4}$	$1\frac{1}{16}$	$2\frac{5}{8}$	$5\frac{1}{4}$	$5\frac{3}{4}$	7	$2\frac{1}{4}$	$1\frac{1}{16}$

### No. 800 COLUMBIAN STYLE DOOR HANGER

(Patented)

For use on Elevator Doors, Gates and Doors where ease of operation is essential and long life required under constant use.

*For Doors Weighing up to 4000 lbs. Non-Adjustable.*

This line of Door Hangers designed for flat bar track are extremely easy to operate and have very long life. Where there is plenty of head room we recommend this as the easiest running and longest wearing of any Door Hanger yet made.

The secret of the life and ease of operation of this Door Hanger is the patented bearings which are almost frictionless and a radically new departure in the ball bearing line, being a combination of ball, roller and plain bearings.



No. 800

#### No. 800

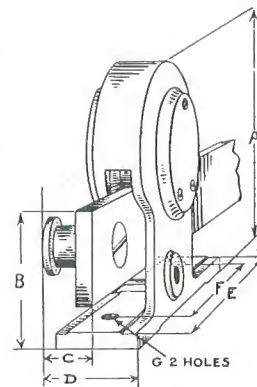
**Wheels**—Machined cast iron.

**Bearings**—Steel Ball bearings and studs.

**Housing**—Cast iron.

**Track**—Round edged, flat steel bar supported by brackets every 2 feet.

**Packed**—One pair in a box.



Dimension Diagram

### DOOR AND HARDWARE DATA

Hanger No. 800	A	B	C	D	E	F	G
	$6\frac{1}{4}$ "	$2\frac{13}{16}$ "	$1\frac{1}{2}$ "	$2\frac{1}{8}$ "	5"	$3\frac{3}{4}$ "	$\frac{13}{32}$ "

Note:—Prices of No. 800 Hanger will be furnished on application.



## Composition of Hangers and Price List of Parts

Hanger Number	Carrier				Pendant		Petticoat		Adjusting Screw		Adjusting Nut		Lock Nut		Pendant Plate	
	Roll Bearing	Price	Ball Bearing	Price	No.	Price	No.	Price	No.	Price	No.	Price	No.	Price	No.	Price
96	C-96	\$ .50														
97	C-97	.65			P-97	\$ .20									97	\$ .20
98	C-97	.65			P-98	.40					98				98	.40
99	C-99	.50													99	.20
100	C-11	1.40			P-100	.40									100	.40
102	C-102	1.20														
104	C-104	.80													104	.40
105	C-105	1.50							105	\$ .50					105	.50
110	C-11	1.40			P-110	.50			105	.50					105	.50
120-A	C-11	1.40	C-12	\$1.40	P-1	.40	120-A	\$ .60	120-A	.20						
120-B	C-21	1.60	C-22	1.60	P-21	.50	120-B	.80	120-B	.30						
120-C	C-41	2.60	C-42	2.60	P-41	.70	120-C	1.20	120-C	.50						
120-D	C-61	2.20	C-62	2.20	P-41	.70	120-D	1.00	120-D	.40						
121-A	C-11	1.40	C-12	1.40	P-1	.40	*121-A	.60	121-A	.20						
121-B	C-21	1.60	C-22	1.60	P-21	.50	*121-B	.80	121-B	.30						
121-C	C-41	2.60	C-42	2.60	P-41	.70	*121-C	1.00	121-C	.50						
121-D	C-61	2.20	C-62	2.20	P-41	.70	*121-C	1.00	121-C	.50						
131-A	C-11	1.40	C-12	1.40	P-1-N	.40	*131-A	.60								
131-B	C-21	1.60	C-22	1.60	P-21-N	.50	*131-B	.80								
131-C	C-41	2.60	C-42	2.60	P-41-N	.70	*131-C	1.00								
131-D	C-61	2.20	C-62	2.20	P-41-N	.70	*131-C	1.00								
134-A	C-11	1.40	C-12	1.40	P-13	.50	*131-A	.60			1/2" Std. Hex.	\$ .10	1/2" Check	\$ .10		
134-B	C-21	1.60	C-22	1.60	P-31	.60	*131-B	.80			1/2" Std. Hex.	.10	1/2" Check	.10		
134-C	C-41	2.60	C-42	2.60	P-51	.80	*131-C	1.00			3/4" Std. Hex.	.10	3/4" Check	.10		
134-D	C-61	2.20	C-62	2.20	P-51	.80	*131-C	1.00			1/2" Std. Hex.	.10	1/2" Check	.10		
334-A	C-133	1.40	C-143	1.40	P-4	.40	*334-A	.60			3/4" Std. Hex.	.10	3/4" Check	.10		
334-B	C-233	1.60	C-243	1.60	P-24	.50	*334-B	.80			3/4" Std. Hex.	.10	3/4" Check	.10		
334-C	C-433	2.60	C-443	2.60	P-44	.70	*334-C	1.60			3/4" Std. Hex.	.10	3/4" Check	.10		
334-D	C-633	2.20	C-643	2.20	P-64	.70	*334-C	1.60			3/4" Std. Hex.	.10	3/4" Check	.10		
135-A	C-11	1.40	C-12	1.40	P-10	.50	*135-A	.80	121-A	.20	135-A	.60	135-A	.60		
135-B	C-21	1.60	C-22	1.60	P-30	.60	*135-B	.80	121-B	.30	135-A	.60	135-A	.60		
135-C	C-41	2.60	C-42	2.60	P-50	.80	*135-C	1.60	121-C	.50	135-C	1.00	135-C	1.00		
135-D	C-61	2.20	C-62	2.20	P-50	.80	*135-C	1.60	121-C	.50	135-C	1.00	135-C	1.00		
137-A	C-11	1.40	C-12	1.40	P-10	.50	*137-A	.80			137-A	.30	137-A	.30		
137-B	C-21	1.60	C-22	1.60	P-30	.60	*137-B	.80			137-A	.30	137-A	.30		
137-C	C-41	2.60	C-42	2.60	P-50	.80	*137-C	1.60			137-C	.40	137-C	.40		
137-D	C-61	2.20	C-62	2.20	P-50	.80	*137-C	1.60			137-C	.40	137-C	.40		
337-A	C-13	1.40	C-14	1.40			*337-A	.80			337-A	.30	1/2" Check	.10		
337-B	C-23	1.60	C-24	1.60			*131-B	.80			337-A	.30	1/2" Check	.10		
337-C	C-43	2.60	C-44	2.60			*131-C	1.00			337-C	.40	3/4" Check	.10		
337-D	C-63	2.20	C-64	2.20			*131-C	1.00			337-C	.40	3/4" Check	.10		
138-A	C-11	1.40	C-12	1.40	P138-A	.80	*138-A	.80	121-A	.20						
138-B	C-21	1.60	C-22	1.60	P138-B	1.00	*121-B	.80	121-B	.30						
138-C	C-41	2.60	C-42	2.60	P138-C	1.40	*121-C	1.00	121-C	.50						
138-D	C-61	2.20	C-62	2.20	P138-C	1.40	*121-C	1.00	121-C	.50						
139-A	C-11	1.40	C-12	1.40	P139-A	.80	*137-A	.80			137-A	.30	137-A	.30		
139-B	C-21	1.60	C-22	1.60	P139-B	1.00	*137-B	.80			137-A	.30	137-A	.30		
139-C	C-41	2.60	C-42	2.60	P139-C	1.40	*137-C	1.60			137-C	.40	137-C	.40		
139-D	C-61	2.20	C-62	2.20	P139-C	1.40	*137-C	1.60			137-C	.40	137-C	.40		
150-A	C-11	1.40	C-12	1.40	P-10	.50					137-A	.30	137-A	.30	150-A	
150-B	C-21	1.60	C-22	1.60	P-30	.60					150-A	.30	137-A	.30	150-B	
150-C	C-41	2.60	C-42	2.60	P-50	.80					137-C	.40	137-C	.40	150-C	.60
150-D	C-61	2.20	C-62	2.20	P-50	.80					137-C	.40	137-C	.40	150-C	.70
350-A	C-13	1.40	C-14	1.40							337-A	.30	1/2" Check	.10	350-A	1.00
350-B	C-23	1.60	C-24	1.60							337-A	.30	1/2" Check	.10	350-B	1.00
350-C	C-43	2.60	C-44	2.60							337-C	.40	3/4" Check	.10	350-C	.60
350-D	C-63	2.20	C-64	2.20							337-C	.40	3/4" Check	.10	350-C	.70
160-A	C-11	1.40	C-12	1.40	P-10	.50	160-A	2.00			160-A	.30	137-A	.30		1.00
160-B	C-21	1.60	C-22	1.60	P-30	.60	160-B	2.20			160-A	.30	137-A	.30		1.00

## NOTE:—

Hangers in the 100 series have rigid Pendants and roller bearing Carriers.  
Hangers in the 200 series have rigid Pendants and ball bearing Carriers.  
Hangers in the 300 series have ball bearing swivel Pendants and roller bearing Carriers.  
Hangers in the 400 series have ball bearing swivel Pendants and ball bearing Carriers.

## FOR EXAMPLE

No. 120-A Hanger has rigid Pendant and roller bearing Carrier.  
No. 220-A Hanger has rigid Pendant and ball bearing Carrier.  
No. 137-A Hanger has rigid Pendant and roller bearing Carrier.  
No. 237-A Hanger has rigid Pendant and ball bearing Carrier.  
No. 337-A Hanger has ball bearing swivel Pendant and roller bearing Carrier.  
No. 437-A Hanger has ball bearing swivel Pendant and ball bearing Carrier.

\* Price includes one long and one short half.

## Composition of Hangers and Price List of Parts—Continued

Hanger Number	Carrier				Pendant		Petticoat		Adjusting Screw		Adjusting Nut		Lock Nut		Pendant Plate	
	Roll. Bearing	Price	Ball Bearing	Price	No.	Price	No.	Price	No.	Price	No.	Price	No.	Price	No.	Price
160-C	C-41	\$2.60	C-42	\$2.60	P-50	\$ .80	160-C	\$3.00			160-C	\$ .40	137-C	\$ .40		
160-D	C-61	2.20	C-62	2.20	P-50	.80	160-C	3.00			160-C	.40	137-C	.40		
360-A	C-13	1.40	C-14	1.40			360-A	2.00			337-A	.30	1/2" Check	.10		
360-B	C-23	1.60	C-24	1.60			360-B	2.20			337-A	.30	1/2" Check	.10		
360-C	C-43	2.60	C-44	2.60			360-C	3.00			337-C	.40	1/2" Check	.10		
360-D	C-63	2.20	C-64	2.20			360-C	3.00			337-C	.40	1/2" Check	.10		
170-A	C-11	1.40	C-12	1.40			170-A	1.60								
170-B	C-21	1.60	C-22	1.60			170-A	1.60								
170-C	C-41	2.60	C-42	2.60			170-C	2.00								
170-D	C-61	2.20	C-62	2.20			170-C	2.00								
190-A	C-11	1.40	C-12	1.40	P-190-A	.50	190-A	.60								
190-B	C-21	1.60	C-22	1.60	P-190-B	.60	190-B	.80								
190-C	C-41	2.60	C-42	2.60	P-190-C	.80	190-C	1.20								
190-D	C-61	2.20	C-62	2.20	P-190-C	.80	190-C	1.20								
355-A	C-13	1.40	C-14	1.40							137-A	.30	137-A	.30	355-A	\$ .60
355-B	C-23	1.60	C-24	1.60							137-A	.30	137-A	.30	355-A	.60
356-A	C-133	1.40	C-143	1.40	P-4	.40					1/2" Std. Hex.	.10	1/2" Pal Nut	.05	356-A	.50
356-B	C-233	1.60	C-243	1.60	P-24	.50					1/2" Std. Hex.	.10	1/2" Pal Nut	.05	356-A	.50
356-C	C-433	2.60	C-443	2.60	P-44	.70					1/2" Std. Hex.	.10	1/2" Pal Nut	.05	356-C	1.00
356-D	C-633	2.20	C-643	2.20	P-44	.70					1/2" Std. Hex.	.10	1/2" Pal Nut	.05	356-C	1.00
375-A	C-132	1.40	C-142	1.40							375-A	.50	1/2" Pal Nut	.05	375-A	.60
375-B	C-232	1.60	C-242	1.60							375-A	.50	1/2" Pal Nut	.05	375-B	.70
375-C	C-432	2.60	C-442	2.60							375-C	1.00	1/2" Pal Nut	.05	375-C	1.00
375-D	C-632	2.20	C-642	2.20							375-C	1.00	1/2" Pal Nut	.05	375-C	1.00
388-A	C-132	1.40	C-142	1.40			*337-A	.80			375-A	.50	1/2" Pal Nut	.05	388-A	.60
388-B	C-232	1.60	C-242	1.60			*337-A	.80			375-A	.50	1/2" Pal Nut	.05	388-B	.70
388-C	C-432	2.60	C-442	2.60			*131-B	.80			375-C	1.00	1/2" Pal Nut	.05	388-C	1.00
388-D	C-632	2.20	C-642	2.20			*131-B	.80			375-C	1.00	1/2" Pal Nut	.05	388-C	1.00
394-A	C-132	1.40	C-142	1.40							375-A	.50	1/2" Pal Nut	.05	194-A	1.00
394-B	C-232	1.60	C-242	1.60							375-A	.50	1/2" Pal Nut	.05	194-B	1.20
394-C	C-432	2.60	C-442	2.60							375-C	1.00	1/2" Pal Nut	.05	194-C	2.00
394-D	C-632	2.20	C-642	2.20							375-C	1.00	1/2" Pal Nut	.05	194-C	2.00
395-A	C-132	1.40	C-142	1.40							375-A	.50	1/2" Pal Nut	.05	395-A	.60
395-B	C-232	1.60	C-242	1.60							375-A	.50	1/2" Pal Nut	.05	395-B	.70
395-C	C-432	2.60	C-442	2.60							375-C	1.00	1/2" Pal Nut	.05	395-C	1.00
395-D	C-632	2.20	C-642	2.20							375-C	1.00	1/2" Pal Nut	.05	395-C	1.00
396-A	C-132	1.40	C-142	1.40							375-A	.50	1/2" Pal Nut	.05	396-A	.60
396-B	C-232	1.60	C-242	1.60							375-A	.50	1/2" Pal Nut	.05	396-B	.70
396-C	C-432	2.60	C-442	2.60							375-C	1.00	1/2" Pal Nut	.05	396-C	1.00
396-D	C-632	2.20	C-642	2.20							375-C	1.00	1/2" Pal Nut	.05	396-C	1.00
444-A	C-13	1.40	C-14	1.40			444-A	1.00			1/2" Std. Hex.	.10	1/2" Check	.10		
444-B	C-23	1.60	C-24	1.60			444-A	1.00			1/2" Std. Hex.	.10	1/2" Check	.10		
444-C	C-43	2.60	C-44	2.60			444-C	2.00			1/2" Std. Hex.	.10	1/2" Check	.10		
444-D	C-63	2.20	C-64	2.20			444-C	2.00			1/2" Std. Hex.	.10	1/2" Check	.10		
445-A	C-132	1.40	C-142	1.40			445-A	1.00			375-A	.50	1/2" Pal Nut			
445-B	C-232	1.60	C-242	1.60			445-B	1.00			375-A	.50	1/2" Pal Nut			
445-C	C-432	2.60	C-442	2.60			445-C	2.00			375-C	1.00	1/2" Pal Nut			
445-D	C-632	2.20	C-642	2.20			445-C	2.00			375-C	1.00	1/2" Pal Nut			
497-C			C-497	4.00			497-C	3.00			375-C	1.00	497-C	.20		
497-D			C-697	4.00			497-C	3.00			375-C	1.00	497-C	.20		

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\* Price includes one long and one short half.

# CORRECTIONS

Page 41	No. 54 Hinge	Price.....	\$1.50
	No. 70 "	Price.....	1.50
Page 43	Pair Single Wall Brackets with Spacer	No. 4 Track.....	1.75
	" " " " " "	No. 6 ".....	1.40
Page 44	Three Single Wall Brackets with Spacers	Cast Iron No. 1 Track.....	1.40
	" " " " " "	" " No. 2 ".....	2.00
	" " " " " "	" " No. 4 ".....	5.30
	" " " " " "	" " No. 6 ".....	4.70
	" " " " " "	Forged Steel No. 1 ".....	1.20
	" " " " " "	" " No. 2 ".....	1.60
	" " " " " "	" " No. 4 ".....	2.75
	" " " " " "	" " No. 6 ".....	2.20
Page 45	Flush Foot Bolts 2 Required.		
	Two Single Wall Brackets with Spacer	Forged Steel No. 4 Track.....	1.75
	" " " " " "	" " No. 6 ".....	1.40
Page 46	Price Complete Sets	No. 4 Track.....	25.90
		No. 6 ".....	23.80
Page 47	5" and 7" Extension Wall Brackets for No. 4 and 6 Tracks should be omitted and the following substituted.		

	No. 1 Track		No. 2 Track		No. 4 Track		No. 6 Track	
	Required	Unit Price	Required	Unit Price	Required	Unit Price	Required	Unit Price
Short Adj. Wall Bracket								
Ctr. 7" Extension					1	\$3.10	1	<del>\$3.40</del> 2.90
Long Adj. Wall Bracket								
End 11" Extension					1	<del>2.00</del> 3.40	1	3.10

No. 50 Surface Hinge 4 x 2 1/2.....	\$ .80
5/8-18 Cane Bolt.....	.90
F Set No. 1 Track.....	10.30
No. 2 ".....	11.60
No. 4 ".....	19.70
No. 6 ".....	18.60
BD Set No. 1 Track.....	5.05
No. 2 ".....	6.30
No. 4 ".....	12.00
No. 6 ".....	10.80
Dimension "D" Location of Bolts.	
No. 1 Track	7 1/4
No. 2 ".....	8
No. 4 ".....	8 3/4
No. 6 ".....	8 1/4

Page 48	Price Complete Set	No. 1 Track.....	23.30
		No. 2 ".....	27.90
		No. 4 ".....	46.50
		No. 6 ".....	42.30

Page 49	5" and 7" Extension Wall Bracket same as Page 47, except 2 of each are required.		
F Set	No. 1 Track.....		16.40
	No. 2 ".....		19.10
	No. 4 ".....		34.00
	No. 6 ".....		31.70
BD Set	No. 1 Track.....		8.85
	No. 2 ".....		11.50
	No. 4 ".....		22.70
	No. 6 ".....		20.40
Dimension "I" Location of Bolts.			
	No. 1 Track	6	
	No. 2 ".....	7	
	No. 4 ".....	7 1/2	
	No. 6 ".....	7 1/4	

Page 50	Price Complete Set	No. 1 Track.....	15.60
		No. 2 ".....	17.75
		No. 4 ".....	29.20
		No. 6 ".....	27.00

<b>Page 51</b>	5" and 7" Extension Wall Brackets. Same as Page 47.			
	5" Extension Wall Bracket No. 2 Track.....			\$1.30
	7" " " " No. 2 " .....			1.50
	Bumper Shoes No. 6 Track.....			.26
	F Set No. 1 Track.....			11.20
	No. 2 " .....			12.45
	No. 4 " .....			21.75
	No. 6 " .....			20.60
	BD Set No. 1 Track.....			5.05
	No. 2 " .....			6.30
	No. 4 " .....			12.00
	No. 6 " .....			10.80
	Dimension "D" Location of Bolts.			
	No. 1 Track	7 $\frac{1}{4}$		
	No. 2 " .....	8		
	No. 4 " .....	8 $\frac{3}{4}$		
	No. 6 " .....	8 $\frac{1}{4}$		
<b>Page 52</b>	Price Complete Set No. 1 Track.....			26.80
	No. 2 " .....			31.10
	No. 4 " .....			51.90
	No. 6 " .....			47.60
<b>Page 53</b>	5" and 7" Extension Wall Bracket. Same as Page 47, except 2 of each are required.			
	F Sets No. 1 Track.....			19.90
	No. 2 " .....			22.40
	No. 4 " .....			39.40
	No. 6 " .....			37.10
	BD Sets No. 1 Track.....			10.10
	No. 2 " .....			12.60
	No. 4 " .....			23.95
	No. 6 " .....			21.60
	Dimension "D" Location of Bolts.			
	No. 1 Track	7 $\frac{1}{4}$		
	No. 2 " .....	8		
	No. 4 " .....	8 $\frac{3}{4}$		
	No. 6 " .....	8 $\frac{1}{4}$		
<b>Page 54</b>	Price Complete Sets No. 1 Track.....			29.35
	No. 2 " .....			33.60
	No. 4 " .....			54.75
	No. 6 " .....			50.50
<b>Page 55</b>	5" and 7" Extension Wall Brackets. Same as Page 47, except 2 of each are required.			
	F Sets No. 1 Track.....			21.45
	No. 2 " .....			24.00
	No. 4 " .....			41.25
	No. 6 " .....			38.80
	BD Sets No. 1 Track.....			10.10
	No. 2 " .....			12.60
	No. 4 " .....			23.95
	No. 6 " .....			21.60
	Dimension "D" Location of Bolts.			
	No. 1 Track	7 $\frac{1}{4}$		
	No. 2 " .....	8		
	No. 4 " .....	8 $\frac{3}{4}$		
	No. 6 " .....	8 $\frac{1}{4}$		
<b>Page 56</b>	Single Cast Iron Wall Bracket No. 1 Track.....			.30
	Cast Iron Corner Bracket No. 1 " .....			1.00
	No. 2 " .....			1.50
	No. 4 " .....			3.25
	No. 6 " .....			2.50
	8" Spring Foot Bolt.....			1.30
<b>Page 57</b>	Cast Iron Corner Brackets and 8" Spring Foot Bolts. Same as Page 56.			
<b>Page 59</b>	Overhead Cast Iron Bracket No. 4 Track.....			1.35
	No. 6 " .....			1.25
<b>Page 70</b>	Guide Roll.....			1.50
	Pressure Pad.....			2.10

